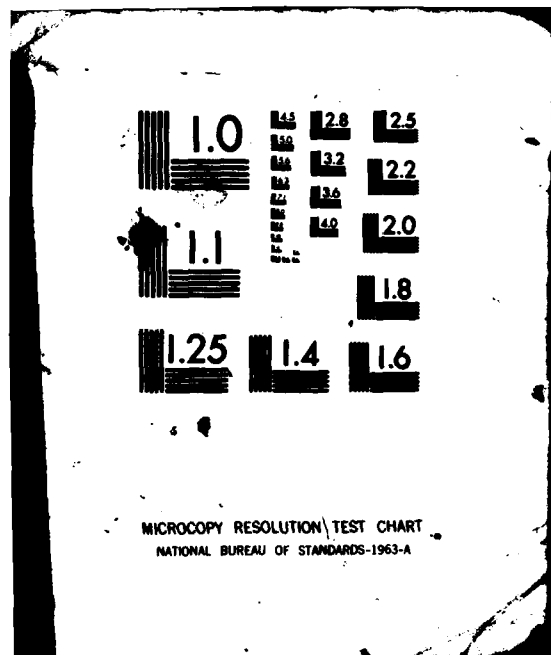


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PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC(U)  
MAY 82

USAFETAC/DS-82/029

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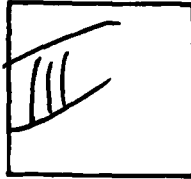


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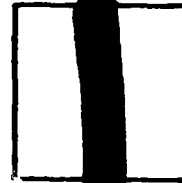
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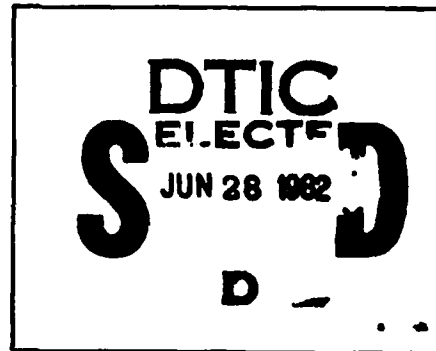
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**DATA PROCESSING DIVISION  
USAF ETAC  
Air Weather Service ( MAC )**

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

PATUXENT RIVER NAS MD  
38 17 N 076 24 W ELEV 45 FT. MEX

MSG #724040

PARTS A-F  
FOR FROM HOURLY OBS: FEB 73 - JAN 81  
FOR FROM DAILY OBS: MAR 45 - JAN 81

TIME CONVERSION GMT TO LST: -5

AMS TECHNICAL SUMMARY  
FL 4424  
SCOTT AFB, IL 62200

19 MAY 82

FEDERAL BUILDING

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ASHEVILLE, N. C.

MAY 14 1982



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WAYNE E. MCCOLLUM  
Chief, Technical Information Section  
USAFETAC/TST

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WALTER S. BURGMANN  
AMS Scientific and Technical  
Information Officer (STINFO)

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REF 850 124

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM																
1. REPORT NUMBER USAFETAC/DS- 82/029	2. GOVT ACCESSION NO.	3. REPORT'S CATALOG NUMBER																
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSMO)- Patuxent River NAS, Maryland		5. TYPE OF REPORT & PERIOD COVERED Final rept.																
6. AUTHOR(s)		7. PERFORMING ORG. REPORT NUMBER																
8. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		9. CONTRACT OR GRANT NUMBER(s)																
10. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CDO Air Weather Service (MAC) Scott AFB IL 62225		11. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS																
12. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. REPORT DATE 14 May 1982																
		14. NUMBER OF PAGES 400																
		15. SECURITY CLASS. (of this report) UNCLASSIFIED																
		16a. DECLASSIFICATION/DOWNGRADING SCHEDULE																
17. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																		
18. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																		
19. SUPPLEMENTARY NOTES																		
20. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSMO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>				*RUSSMO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSMO	Daily temperatures	Atmospheric pressure																
Snowfall	Extreme snow depth	Extreme surface winds																
Climatology	Sea-level pressure	Psychrometric summary																
Surface Winds	Extreme temperature	Ceiling versus visibility																
Relative Humidity	*Climatological data	(over)																
21. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Patuxent River NAS, Maryland It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																		

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**SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)**

19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

Maryland

Patuxent River NAS, Maryland

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WGS 84 NO. 48
724040	PATUXENT River NAS MD	38 17 N	076 24 W	45	HEK	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DGS PER DAY
			FROM	TO			FIELD (FT)	MT. MSL.	
	Patuxent River NAS	NAS	Aug 43	Dec 43	N 38 20	W 076 25	45	45	24
		NAS	Jan 44	Feb 45	38 17	76 25		45	24
			Mar 45	Dec 52	Same	Same		45	24
			Jan 53	Dec 60	38 18	76 25		45	24
				Jan 2371				45	24
	Patuxent River NAS OK	WSND	Jan 2471		38 17	76 25	45	45	24
			Mar 71	Dec 73	Same	Same	Same	45	24
			Jan 74	Dec 78	Same	Same	Same	45	24
			Jan 79	Jan 82	Same	Same	Same	45	24
DEC 78 last entry NAS-									

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE AND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECEIVER	HT ABOVE GROUND	
	1952	Located on top operations tower	Selsyn		85 ft	
	1957	Located on top radar tower, Bldg 147A	AN/UNQ-5		65 ft	
	Mar 59	Same	GMQ10		65 ft	
	1960 thru 1965	Located 1000' NW intersection runway 131 and 24	WR950		13 ft	
	1978	Same	Same		15 ft	

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



CLIMAT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

121 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		11.0	.5	2.7	.1	13.5	17.5	4.9			21.6	736
	03-05		11.4	.4	3.9		14.6	22.2	5.8			26.4	739
	06-08		10.5	.7	3.9		14.8	25.8	9.4			32.9	736
	09-11		8.7	.4	4.9		14.0	23.4	17.4	.1		38.2	736
	12-14		8.6	.5	4.1	.1	13.3	16.5	16.8	.1		31.6	732
	15-17		10.4	.3	5.2		15.4	15.5	17.8	.1		30.9	734
	18-20	.1	10.4	.8	3.3		14.2	16.2	13.0	.7		28.4	730
	21-23		9.4	1.0	3.4		13.6	16.3	5.7	.4		21.9	734
TOTALS		.0	10.1	.6	3.9	.0	14.2	19.2	11.4	.2		29.0	5877

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724740  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.1	5.7	.4	2.5		9.3	16.9	5.5	1.2		21.5	614
	03-05		5.5	.4	4.0		9.4	17.0	6.0	1.3		22.4	671
	06-08		6.0	.3	3.6		9.8	18.3	11.8	.7		27.9	671
	09-11		6.2	.3	4.2		10.4	15.8	14.7	1.8		30.9	666
	12-14		6.8	.8	4.2		11.6	13.8	13.1	.9		26.9	666
	15-17	.1	7.1	.7	5.5		12.9	15.8	12.8	1.2		28.7	672
	18-20		7.6	.9	5.1		13.3	15.7	10.5	1.2		26.5	667
	21-23		7.2	.1	4.3		10.9	15.9	5.4	1.3		21.1	667
TOTALS		.0	6.6	.5	4.2		11.0	16.2	10.0	1.2		25.7	5354

1  
2  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72-80 STATION 73-80 MAR  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		11.7	.4	2.7		14.5	20.1	6.6	.4		25.6	737
	03-05		13.6		2.5		16.1	24.9	4.8	.4		28.1	727
	06-08	.1	13.5	.7	2.1		16.1	29.5	9.8	.3		37.2	726
	09-11		13.0	.3	2.2	.1	15.0	21.1	14.2			34.4	733
	12-14	.4	11.6	.7	2.3		13.5	17.3	15.2			31.8	735
	15-17	.4	10.4	.3	1.0	.1	11.3	14.1	16.5			30.3	733
	18-20	.1	11.6	.4	1.0		12.6	13.3	15.3	.1		28.2	731
	21-23	.4	11.4	.4	1.4		12.8	17.0	9.4	.4		25.4	735
TOTALS		.2	12.1	.4	1.9	.0	14.0	19.7	11.5	.2		30.1	5857

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

12-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.8	9.0				9.0	10.8	7.7			17.2	711
	03-05	.6	8.0				8.0	14.8	9.3			20.5	709
	06-08	.1	9.4				9.4	17.5	14.5			28.3	704
	09-11		7.7		.1		7.9	10.1	16.1			24.5	710
	12-14	.4	7.5		.1		7.5	7.7	17.4			23.9	711
	15-17	.8	8.3				8.3	6.6	20.0			25.1	700
	18-20	1.3	8.4				8.4	7.7	18.7			23.8	701
	21-23	1.1	8.8				8.8	8.9	13.2			19.4	707
TOTALS		.6	8.4		.0		8.4	10.5	14.6			22.8	5662

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

17-040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.8	10.8				10.8	24.0	18.8			38.2	733
	03-05		9.1				9.1	35.3	19.2			46.8	729
	06-08	.4	9.4				9.4	35.9	24.9			51.6	727
	09-11	.1	8.4				8.4	19.9	31.7			46.4	735
	12-14	.3	7.3				7.3	12.3	35.3			43.8	737
	15-17	2.3	8.6				8.6	9.7	37.9			44.0	731
	18-20	3.8	11.3				11.3	12.5	32.6			42.0	728
	21-23	2.1	11.2				11.2	17.8	25.6			38.9	731
TOTALS		1.2	9.5				9.5	20.9	28.3			44.0	5851

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.3	5.9				5.9	20.1	33.3			46.6	712
	03-05	1.1	6.2				6.2	32.9	34.1			52.5	712
	06-08	.7	5.8				5.8	27.1	39.9			55.1	709
	09-11	.4	5.5				5.5	9.5	41.7			47.8	714
	12-14	.4	5.6				5.6	5.6	42.3			46.5	710
	15-17	2.7	6.3				6.3	3.8	45.6			48.6	710
	18-20	3.1	7.5				7.5	5.2	46.0			49.4	707
	21-23	2.1	6.7				6.7	10.4	40.3			47.8	712
TOTALS		1.5	6.2				6.2	14.3	40.4			49.3	5680

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.9	5.7				5.7	21.7	50.0			59.0	734
	03-05	.5	5.3				5.3	34.1	51.2			63.0	737
	06-08	.4	5.1				5.1	31.1	55.6			65.7	732
	09-11	.7	4.2				4.2	7.7	58.3			60.7	737
	12-14	1.5	4.7				4.7	4.7	57.0			59.2	731
	15-17	3.3	5.7				5.7	3.0	57.9			59.4	737
	18-20	6.4	6.4				6.4	4.4	58.5			60.8	730
	21-23	4.8	6.8				6.8	13.1	53.6			60.1	732
TOTALS		2.6	5.5				5.5	15.0	55.3			61.0	5870

NCEM CLIMATOLOGY BRANCH  
 WAFETAC  
 AT WEATHER SERVICE/MAL

# WEATHER CONDITIONS

77-40 PATUXENT RIVER NAS MD 73-80 AUG  
 STATION STATION NAME YEAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLAB	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-07	5.0	4.9				4.9	20.4	58.2			65.9	735
	08-05	.4	3.7				3.7	54.6	57.6			70.6	734
	06-09	.3	3.8				3.8	35.3	62.5			72.4	748
	09-11	.3	3.4				3.4	8.0	62.8			66.1	737
	12-14	1.4	4.6				4.6	2.7	60.5			61.9	732
	15-17	6.0	7.4				7.4	2.3	62.3			64.5	730
	18-20	5.1	7.3				7.3	5.2	63.6			67.4	729
	21-23	5.8	5.9				5.9	12.0	58.9			64.6	740
TOTALS		2.6	5.1				5.1	15.1	60.8			66.7	5865

WAFETAC FORM 51-1 6-10-51 (CL. 61) REVISIONS OTHER THAN THIS ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

STATION PATUXENT RIVER NAS MD

73-80

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLUSH	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1P	00-02	.9	6.1				6.1	19.7	36.3			47.4	705
	03-05	.3	8.4				8.4	34.0	33.6			52.2	711
	06-08		6.8				6.8	34.6	41.9			57.9	708
	09-11	.7	7.0				7.0	11.2	38.6			46.0	704
	12-14	.3	6.0				6.0	7.3	36.7			42.6	714
	15-17	1.6	7.5				7.5	5.7	42.4			46.7	707
	18-20	1.7	8.5				8.5	9.2	42.3			48.8	709
	21-23	1.0	8.0				8.0	13.6	38.7			46.8	711
TOTALS		.4	7.3				7.3	16.9	38.8			48.6	5669

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

121140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.7	9.6				9.6	20.7	21.2			36.0	736
	03-05	.4	10.3				10.3	28.9	19.6			42.7	736
	06-08	.3	9.8				9.8	34.2	22.6			47.3	734
	09-11	.1	7.1		.1	.3	7.1	14.4	25.4			36.8	736
	12-14	.5	6.2		.1		6.2	10.7	21.7			31.1	729
	15-17		6.1				6.1	9.5	23.9			31.8	737
	18-20		7.5				7.5	11.4	25.5			34.5	730
	21-23	.4	8.7				8.7	15.7	23.6			34.9	733
TOTALS		.3	8.2		.0	.0	8.2	18.2	22.9			36.9	5871

2  
CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72-74  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		10.9		.6		11.2	18.6	12.9			29.4	714
	03-05		9.4		1.0		10.4	22.8	12.0			31.8	711
	06-08		7.9		1.1		8.8	28.8	15.2			39.5	706
	09-11		9.6		.6		10.1	18.9	21.7			37.0	710
	12-14		10.2		.3		10.5	14.4	20.5			33.6	708
	15-17	.1	8.4		.1		8.5	12.6	23.6			34.4	704
	18-20	.4	9.5		.1		9.6	14.7	19.4			32.1	708
	21-23	.1	9.4		.4		9.8	16.6	13.4			28.0	715
TOTALS		.1	9.4		.5		9.9	18.4	17.3			33.2	5676

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		8.2	.3	.7		9.0	16.6	6.0			21.2	735
	03-05		10.0	.4	1.8		11.6	19.6	4.6			22.6	733
	06-08		9.1	.4	.9	.1	10.0	22.1	7.6			26.7	738
	09-11		8.7	.3	1.6		10.2	18.2	11.3	.3		28.3	736
	12-14		9.8		2.0		11.5	15.4	12.0	.1		25.9	733
	15-17		9.9		1.9		11.3	15.9	12.6			26.6	736
	18-20		12.2	.3	1.8		13.3	16.3	10.2	.1		25.0	736
	21-23	.1	10.2	.3	.7		10.9	16.3	7.1	.1		22.1	734
TOTALS		.0	9.8	.3	1.4	.0	11.0	17.6	8.9	.1		24.8	5881

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724140 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-81  
YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	10.1	.6	3.9	.0	14.2	19.2	11.4	.2		29.0	5877
FEB		.0	6.6	.5	4.2		11.0	16.2	10.0	1.2		25.7	5554
MAR		.2	12.1	.4	1.9	.0	14.0	19.7	11.5	.2		30.1	5857
APR		.6	8.4		.0		8.4	10.5	14.6			22.8	5662
MAY		1.2	9.5				9.5	20.9	28.3			44.0	5851
JUN		1.5	6.2				6.2	14.3	40.4			49.3	5680
JUL		2.6	5.5				5.5	15.0	55.3			61.0	5870
AUG		2.6	5.1				5.1	15.1	60.8			66.7	5865
SEP		.8	7.3				7.3	16.9	38.8			48.6	5669
OCT		.3	8.2		.0	.0	8.2	18.2	22.9			36.9	5871
NOV		.1	9.4		.5		9.9	18.4	17.3			33.2	5676
DEC		.0	9.8	.3	1.4	.0	11.0	17.6	8.9	.1		24.8	5881
TOTALS		.8	8.2	.2	1.0	.0	9.2	16.8	26.7	.1		39.3	69113

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

724640  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

45-80  
YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	40.6	3.3	19.3	.2	49.5	41.8	30.5	2.6		52.9	1049
FEB		1.9	37.6	2.6	16.3	.4	44.8	39.0	32.4	2.5		53.1	972
MAR		3.8	46.5	.5	9.4	.5	50.0	40.0	33.0	1.2		52.6	1104
APR		8.9	48.2	.1	1.3	.3	48.5	34.8	31.0	.1		47.5	1068
MAY		15.5	50.6			.4	50.6	39.8	41.1			54.7	1101
JUN		20.1	45.5			.2	45.5	37.0	50.2			58.8	1061
JUL		25.4	46.5			.1	46.5	34.2	54.4			60.3	1076
AUG		21.3	42.6			.1	42.6	40.0	59.4			66.9	1097
SEP		9.6	37.4				37.4	37.9	45.8			56.3	1059
OCT		3.4	34.9		.2	.1	34.9	43.7	40.1			57.8	1096
NOV		2.0	40.7		3.6		42.2	38.3	32.4	.1		49.8	1051
DEC		.5	37.8	1.5	10.7		42.0	39.2	32.8	.9		51.6	1094
TOTALS		9.4	42.4	.7	5.1	.2	44.5	38.8	40.3	.6		55.2	12828

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

( PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

( Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNB)

Beginning thru Jan 52	at 0630GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

724740

PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	51.9	13.7	2.1	6.2	4.8	7.8	7.9	4.1	1.6					34.5	1113	3.14	6.17	.45	
FEB	55.6	11.9	2.0	6.0	3.0	7.5	6.5	5.1	1.4	.1				32.5	989	2.77	7.02	.81	
MAR	50.4	15.1	2.8	6.0	4.3	7.3	5.9	6.0	2.2	.1				34.5	1116	3.53	7.00	.63	
APR	52.1	14.2	2.9	7.2	4.2	6.9	6.9	4.2	1.6					33.7	1080	2.82	6.74	.94	
MAY	49.9	13.7	2.6	7.1	4.7	7.2	7.3	5.1	2.2	.2				36.4	1116	3.77	9.80	.44	
JUN	55.6	13.5	2.2	6.1	4.1	5.4	5.1	5.0	2.8	.2				30.9	1077	3.42	7.34	.22	
JUL	54.3	13.3	2.1	5.6	3.6	6.8	5.6	4.9	3.7	.4				32.5	1116	4.27	15.51	1.06	
AUG	58.3	12.3	1.7	5.2	3.3	6.6	5.4	3.3	2.8	1.1	.1			29.5	1116	4.38	11.10	.61	
SEP	63.5	11.3	2.0	4.1	2.9	5.7	3.6	3.9	2.6	.4				25.2	1079	3.23	7.99	.09	
OCT	65.7	11.5	1.5	4.6	2.2	4.5	4.4	3.1	2.2	.4				22.8	1116	2.89	6.61	TRACE	
NOV	58.9	12.5	1.8	5.7	3.2	5.9	4.5	4.9	2.3	.3				28.6	1078	3.13	7.95	.31	
DEC	58.7	12.2	1.6	5.3	3.0	5.9	5.5	5.9	1.9					29.1	1115	3.17	6.50	.47	
ANNUAL	56.2	12.9	2.1	5.8	3.7	6.5	5.7	4.6	2.3	.3	.0			30.8	1311	40.52			

USAFETAC FORM 0-15.5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AID WEATHER SERVICE/MAC

# EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

724740 PATUXENT RIVER NAS MD  
STATION STATION NAME

95-81  
YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.22	1.38	1.87	2.49	2.58	.33	1.28	2.38	1.12	1.21	
46	.35	.53	1.89	1.93	1.91	1.12	1.48	1.73	2.67	.47	1.12	1.40	2.67
47	.84	.43	.65	1.26	1.56	1.29	1.18	3.19	.98	.85	3.79	1.19	3.79
48	2.70	.43	1.19	.74	2.51	.44	1.84	2.46	.79	2.05*	1.00	1.48	2.51
49	1.64	.71	.97	.49	.80	1.83	1.90	3.24*	.68	2.63	1.95	.39	3.24
50	.71	.45	1.08	.61	1.77	.71	.84	2.53	.98	.99	.72	1.03	2.53
51	.56	1.02	.51	.78	.92	1.54	1.14	2.25	1.93	.77	1.00	1.15	2.25
52	1.31	.92	1.37	1.26	.69	.75	.93	.69	1.22	.96*	2.89	.92	* 2.89
53	.53	1.44	1.09	.55	1.07	.64	.46	3.03	.93	2.17	.97*	.89	3.03
54	1.40	2.09	.76	.98	.98	.04	.87	1.04	.47	.58	.69	.79	2.09
55	.40	.69	1.21	.74	.77	1.37	1.53	4.94	.97	.52	1.07	.52	4.94
56	.59	.70	.77	1.38	.71	1.13	1.91	.48	.76	1.63	4.22	.88	4.22
57	.91	.91	.91	.98	1.15	2.34	.65	1.62	1.04	1.76	.91	1.24	2.34
58	1.68	1.14	1.97	1.29	1.99	1.13	3.04	4.67	1.42	1.23	1.25	1.09	4.67
59	.47	.58	.67	.78	.35	1.04	2.14	.74	.20	1.28	2.04	1.00	2.14
60	.52	1.09	.94	1.07	1.57	2.37	4.61	.80	3.89	1.20	.81	1.32	4.61
61	1.72	1.75	1.07	.66	1.98	1.55	1.04	1.43	.56	3.53	.57	.68	3.53
62	2.14	.87	.77	.63	.50*	.53	.72	.80	1.03	.90	1.50	1.01	2.14
63	.35	.38	.92	.84	.94	3.04	.57	.41	.81	TRACE	2.50	.64	3.04
64	1.06	1.01	.73	.71	.29	2.34	1.70	.87	1.79	1.59	1.39	.87	2.34
65	* .60	1.08	1.39	.69	.22	1.14	.62	1.85	1.52	.64	.19	.41	1.85
66	.90	.97	.41	.98	.97	.90	.64	.28	2.36	3.55	.64	.80	3.55
67	.50	.75	.74	.36	1.99	.56	1.19	1.39	.63	.70	.71	1.06	1.99
68	1.46	.66	1.45	.53	2.16	.68	.27	.84	1.51	.49	2.12	.84	2.16
69	.72	1.18	.66	.82	.81	1.00	2.54	9.88	1.88	.52	.48	1.74	9.88
70	.37	.65	1.06	1.34	.45	1.34	1.28	.93	1.69	.78	1.05	.69	1.69
71	.46	1.25	.74	1.34	2.66	.85	.75	2.76	.76	1.53	1.65	.51	2.76
72	* .46	1.21	.88	1.55	1.95	2.64	1.05	1.66	.79	1.66	1.34	.78	2.64
73	.81	1.74	.55	.61	.62	.56	.48	2.65	1.37	1.52	.50	1.11	2.65
74	.66	.92	1.41	.35	.83	1.35	.28	3.71	1.12	.51	.26	1.66	3.71
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 44 0-88-5 (OLA)

FORM  
JL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

72440 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81  
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.63	3.36	4.78	5.96	15.51	1.09	4.23	3.26	4.64	6.50	
46	1.31	1.61	3.05	3.10	6.25	4.78	2.52	3.93	5.27	2.21	2.60	2.89	39.52
47	4.06	.97	2.02	4.15	3.40	4.25	2.54	4.65	2.76	1.58	7.01	1.96	39.39
48	5.15	1.61	4.00	2.28	9.21	1.69	4.51	7.48	2.01	3.26	6.80	5.23	*53.23
49	4.31	2.78	3.12	1.93	4.78	5.28	7.16	6.98	1.49	4.19	3.15	1.44	*46.61
50	2.61	1.98	4.76	1.66	5.32	2.10	5.67	3.64	4.29	1.69	1.80	2.43	37.95
51	1.47	2.28	1.68	3.69	3.09	6.28	3.61	5.63	3.06	2.02	4.41	3.61	40.83
52	5.75	3.13	5.02	6.74	3.31	1.67	2.82	4.08	3.74	1.86	5.23	3.50	*46.82
53	3.71	3.05	5.12	3.01	4.19	1.61	1.87	8.45	2.04	2.87	2.33	2.78	*41.03
54	3.02	2.39	2.40	3.12	3.00	.22	2.59	3.72	1.30	2.05	2.88	2.73	29.42
55	1.28	2.68	4.49	3.16	2.07	3.64	2.64	9.94	1.69	1.91	2.12	.86	36.48
56	2.11	3.66	3.30	2.81	3.25	3.05	7.24	1.70	3.63	5.98	7.95	3.12	47.80
57	3.27	3.95	2.98	2.67	2.13	3.32	1.41	6.17	3.35	3.84	4.32	5.65	43.04
58	3.80	4.09	6.43	6.58	5.75	4.44	7.16	11.10	2.36	2.38	2.32	2.39	58.80
59	1.43	1.55	2.70	2.80	1.18	1.84	8.01	2.02	.25	4.00	5.60	3.51	34.89
60	2.49	3.92	2.88	3.12	5.49	3.69	10.47	1.89	6.43	2.24	1.72	2.87	47.21
61	3.93	4.72	4.63	2.12	5.08	6.08	2.37	2.78	1.10	5.58	1.81	3.38	43.58
62	4.16	4.00	3.51	2.82	1.14	1.40	2.17	1.56	2.92	2.05	5.97	3.09	*34.79
63	1.75	1.44	5.37	1.28	1.98	5.77	1.27	.64	2.14	TRACE	4.86	1.75	28.29
64	4.00	4.60	2.13	3.37	.53	5.30	2.99	1.67	3.45	3.79	2.27	2.64	36.74
65	* 3.02	2.51	3.90	2.33	.49	3.34	3.42	4.97	2.80	.92	.31	.47	*28.52
66	4.32	3.19	.79	3.27	3.28	2.86	1.98	.61	7.29	5.02	1.17	3.18	36.96
67	1.43	2.38	2.01	1.17	4.56	1.39	3.89	5.91	1.23	1.36	1.69	4.39	31.41
68	2.92	.98	4.69	1.05	3.33	3.04	1.27	3.14	3.58	1.70	3.86	2.29	31.85
69	2.09	2.33	2.68	3.25	1.97	1.88	9.52	9.42	2.52	1.04	1.25	6.39	44.34
70	1.64	2.17	3.73	3.50	1.56	2.72	4.84	1.57	2.17	1.37	3.17	3.08	31.57
71	2.13	4.43	2.26	1.84	9.80	1.83	3.28	6.10	1.01	5.18	3.41	.99	42.24
72	* 2.38	5.93	2.38	3.24	6.28	7.34	2.59	4.07	1.79	3.56	4.93	3.65	*48.14
73	2.86	2.97	2.69	3.12	2.28	1.74	1.61	4.12	1.78	2.74	1.09	4.73	31.73
74	2.71	1.40	5.25	1.34	3.35	3.66	1.06	6.84	4.56	.71	.71	4.48	36.07
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

**EXTREME VALUES**  
**MONTHLY PRECIPITATION**

(FROM DAILY OBSERVATIONS)

72040 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-01

**WILSON**

[illegible]

NOTE • (BASED ON LESS THAN FULL MONTHS)

**USAF ETAC**FORM  
 44-64

0-85-5 (DL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

724940

PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.7	11.5	1.8	1.8	1.7	.5	.4	.8	.3	.1				7.5	1113	5.1	29.0	.0
FEB	54.3	8.8	.7	2.3	1.4	.8	.7	.4	.4	.1				6.9	988	4.9	32.3	.0
MAR	90.8	5.8	.5	1.0	.5	.4	.2	.4	.4					3.4	1116	2.9	22.0	.0
APR	98.8	1.1	.1											.1	1080	TRACE	.3	.0
MAY	99.9	.1													1116	TRACE	TRACE	.0
JUN	100.0														1080	.0	.0	.0
JUL	100.0														1116	.0	.0	.0
AUG	100.0														1116	.0	.0	.0
SEP	100.0														1080	.0	.0	.0
OCT	99.8	.1	.1											.1	1116	TRACE	.1	.0
NOV	96.9	2.1	.6	.2					.2					.9	1079	.3	7.1	.0
DEC	89.9	6.6	.6	1.2	.6	.2	.3	.3	.2					3.5	1114	2.1	13.0	.0
ANNUAL	95.1	3.0	.4	.5	.4	.2	.1	.2	.1	.0				1.9	13114	15.1		

USAFETAC FORM 8-15-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

### SNOWFALL

(FROM DAILY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

45-81  
YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
45			.0	.0	.0	.0	.0	.0	.0	.0	TRACE*	6.0	
46	1.5	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.3
47	1.7	.8	7.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
48	5.5	3.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.5
49	* .4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	* .8
50	.0	1.3	5.0	.0	.0	.0	.0	.0	.0	.0	.2	TRACE	5.0
51	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
52	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	* 1.3	.0	1.9
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3*	.0	.0
54	11.2	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	11.2
55	4.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.0
56	1.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.4
57	3.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.9
58	4.9	.4	7.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.0
59	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.7	2.0
60	1.8	5.4	9.4	.0	.0	.0	.0	.0	.0	.0	.0	4.0	9.4
61	5.3	4.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	5.0
62	5.3	4.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.5
63	1.6	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
64	5.4	7.2	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	7.2
65	* 5.2	3.7	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 5.2
66	9.0	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	8.0	9.0
67	5.0	7.9	TRACE	.0	.0	.0	.0	.0	.0	.0	7.1	2.0	7.9
68	3.0	4.2	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.2
69	.2	2.8	6.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	6.3
70	2.9	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9
71	1.0	TRACE	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0
72	* .0	5.8	.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.0	5.8
73	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.9	2.0
74	TRACE	4.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
RL 44

0-88-3 (OLA)



USAF ETAC      FORM 0-88-5 (OL A)  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
**MONTHLY SNOWFALL**

(FROM DAILY OBSERVATIONS)

724040 STATION PATUXENT RIVER NAS MD

45-81

YEARS

**TOTAL MONTHLY SNOWFALL IN INCHES**

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			.0	.0	.0	.0	.0	.0	.0	.0	TRACE*	7.3	
46	3.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	19.5
47	1.7	2.5	10.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	15.0
48	8.2	3.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	12.0
49	* 1.0	* TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	* 1.0
50	.0	2.5	6.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.0
51	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
52	TRACE	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	* 1.7	.0	* 5.1
53	TRACE	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 5.0
54	12.0	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	13.0
55	7.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.0
56	2.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.2
57	11.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.5	16.2
58	4.9	.7	11.2	.0	.0	.0	.0	.0	.0	.0	.0	7.7	29.5
59	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0
60	3.7	6.3	22.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	38.0
61	6.0	9.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	15.2
62	14.1	6.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	12.0	36.0
63	2.2	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1
64	6.4	15.4	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	29.0
65	* 11.3	3.7	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* 18.0
66	29.0	6.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	13.0	48.0
67	5.0	18.5	TRACE	.0	.0	.0	.0	.0	.0	.0	7.1	4.0	34.6
68	6.0	4.1	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.4
69	.2	2.6	12.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	15.6
70	6.6	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.5
71	2.4	TRACE	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	9.4
72	* .0	10.0	.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.0	* 11.3
73	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	4.3	6.1
74	TRACE	4.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 44 44 0-88-5 (OL A)

**EXTREME VALUES**  
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

724040 STATION PATUXENT RIVER NAS MD STATION NAME

45-61

YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC      FORM 0-88-5 (OL A)  
AA 44

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

45-48, 50,

52-81  
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	77.8	8.3	4.3	2.8	1.7	3.4	1.4	.1	.1					13.9	991			
FEB	76.1	7.9	5.3	3.1	1.8	3.3	1.3	.7	.6					16.0	876			
MAR	91.3	2.5	.9	1.0	1.4	1.7	1.1							6.1	992			
APR	98.2	.6			.2	.5	.4							1.1	963			
MAY	100.0														992			
JUN	100.0														960			
JUL	100.0														1023			
AUG	100.0														1023			
SEP	100.0														990			
OCT	100.0														1023			
NOV	99.6	.3		.1										.1	989			
DEC	89.9	3.6	1.6	1.6	1.3	1.7	.4							6.5	1022			
ANNUAL	94.4	1.9	1.0	.7	.5	.9	.4	.1	.1					3.6	11844			

USAFETAC

FORM 0-13.5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

724 40 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-48, 52-81 YEARS

### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			0	0	0	0	0	0	0	0	0	6	
46	10	3	0	0	0	0	0	0	0	0	0	0	10
47	7	3	7	0	0	0	0	0	0	0	0	TRACE	7
48	6	3	0	0	0	0	0	0	0	0	0	TRACE	6
52											0*TRACE	0	
53	TRACE	0	4	0	0	0	0	0	0	0	2*	0	4
54	10	TRACE	0	TRACE	0	0	0	0	0	0	0	1	10
55	4	1	0	0	0	0	0	0	0	0	0	0	4
56	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
57	5	1	0	0	0	0	0	0	0	0	0	2	5
58	4	4	3	0	0	0	0	0	0	0	0	6	6
59	1	0	0	0	0	0	0	0	0	0	0	TRACE	1
60	TRACE	4	10	0	0	0	0	0	0	0	0	4	10
61	5	3	0	0	0	0	0	0	0	0	0	0	5
62	5	4	4	0	0	0	0	0	0	0	0	6	6
63	2	1	0	0	0	0	0	0	0	0	0	1	2
64	6	7	3	TRACE	0	0	0	0	0	0	0	0	7
65	* 8	4	3	0	0	0	0	0	0	0	0	0	* 8
66	27	31	0	0	0	0	0	0	0	0	0	11	31
67	5	9	0	0	0	0	0	0	0	0	0	3	9
68	3	0	5	0	0	0	0	0	0	0	0	0	5
69	TRACE	1	6	0	0	0	0	0	0	0	0	TRACE	6
70	4	1	TRACE	0	0	0	0	0	0	0	0	TRACE	4
71	2	1	7	0	0	0	0	0	0	0	0	0	7
72	0	2	0	TRACE	0	0	0	0	0	0	0	0	2
73	2	0	0	0	0	0	0	0	0	0	0	3	3
74	0	4	0	0	0	0	0	0	0	0	0	0	4
75	4	1	1	0	0	0	0	0	0	0	0	0	4
76	0	TRACE	0	0	0	0	0	0	0	0	TRACE	2	2
77	6	0	0	0	0	0	0	0	0	0	0	0	6
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

USAF ETAC      FORM JUL 64      0-00-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

( PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

- (1) \*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

724740 PATUXENT RIVER NAS MD  
STATION STATION NAME

45-81

YEARS

### DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
45				47WNW	46NW	46N	42NW	45W	35E	48NW	42NW	43S	38
46	N	37NW	49W	42NW	43NW	36N	51W	*39NW	41NW	37WNW	49NNW	36NW	58 NW 58
47	NW	46WNW	47W	57SW	34WSW	45NE	48N	31ESE	24NNW	35NE	33NW	42NW	37 W 57
48	NW	36NW	40NW	37NW	*43WNW	47NNE	39SW	44NW	32NNW	33NNE	44WNW	46NNW	57 NNW 57
49	WNW	48WNW	48WNW	49ESE	40NW	48ESE	40SW	68ESE	65NW	34NNE	35NNW	43WNW	43 SW 68
50	NW	46NW	49WNW	46NW	40NW	60WNW	41WNW	39NW	*47NW	36NW	42NNW	49NW	42 NW 60
51	NW	44NW	49NW	44N	38NNW	39W	43NW	54NW	52NW	30NW	48SSE	*42WNW	41 NW 54
52	NW	40NW	44NW	46N	42SW	35SW	50NW	34W	44S	58NW	46SE	45NW	37 S 58
53	NW	44WNW	36NW	38WNW	42WNW	44NW	55N	39N	48WNW	46NW	39NW	50NW	48 NW 59
54	NW	48N	51S	48NW	46N	46NW	70NW	71WNW	61WNW	46ESE	110WNW	46N	48 ESE 110
55	NW	53NW	54SSW	62NW	63W	44ESE	54SW	42ESE	69N	51NW	56NW	47NNW	46 ESE 69
56	WNW	55WNW	61NNW	52NW	54NW	52NNW	47NW	60NW	62ENE	55N	48NW	51NW	49 NW 62
57	NW	62WNW	38WNW	46NW	60NNW	38SSW	60NW	33SW	56WNW	38ESE	69NW	48SSE	53 ESE 69
58	ENE	48NNW	49N	57NW	41WNW	42NW	60W	40SW	46W	40NNW	39NNW	55NNE	*37 NW 60
59	NW	47NW	43WNW	47NE	37NW	31WNW	43NW	42NNE	31SE	31S	30NW	42NW	38 NW 47
60	WNW	42E	61WNW	48NW	38WNW	37SW	48WSW	40NW	43NNW	45N	35SW	31NNW	43 E 61
61	NNW	44WSW	47NW	40E	43WNW	33WSW	48W	34SSW	28N	29NNE	30WNW	34SSW	29 WSW 48
62	NNW	32N	27N	35W	34SSW	32SW	30NW	35SW	24SE	23W	26ESE	36NW	39 NW 39
63	NW	39NW	31W	34SW	41NW	28NNE	32W	27NW	31S	31NW	27NW	35NW	30 SW 41
64	W	34W	41SW	45WSW	35WNW	26W	51E	40E	34NNE	39WNW	31SE	33NW	39 W 51
65	NW	42NW	43SW	36NW	38SSW	43W	38NNW	32NW	49NW	26SE	43W	40WNW	30 NW 49
66	W	41SE	32W	37WSW	30W	33WNW	28W	35SW	34ESE	29NW	28S	32WNW	33 W 41
67	W	33SSW	37NW	46NW	44WSW	44SW	25NW	32SW	36N	35WSW	42NW	40WSW	40 NW 46
68	NNW	35NW	36NW	43NW	36WNW	36S	38NNW	29E	47S	29NW	29NNE	*39W	40 E 47
69	W	30NW	42NW	35N	34SSW	37WSW	40NNW	32SSW	39S	25WNW	29NNW	42NW	38 NW 42
70	NW	42NW	37N	26W	44NW	28SW	30NE	33NW	29W	40NW	28NW	*33NW	38 W 44
71	W	43NNW	*2231/	4034/	3625/	7732/	4915/	34 1/	29 3/	2415/	2830/	3424/	44 25/ 77
72	31/	3421/	4227/	35 2/	2832/	2534/	3724/	2624/	2421/	2832/	3014/	4229/	31 21/ 42
73	26/	3319/	3624/	4229/	3233/	28 2/	2331/	2325/	2316/	3016/	3021/	36 2/	36 24/ 42
74	23/	2916/	3626/	4325/	3632/	3132/	2929/	3615/	2733/	3433/	2727/	3210/	49 10/ 49
MEAN													
S.D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 4 PATUXENT RIVER NAS MD

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

GROUP (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	2.0	2.9	2.3	.8								8.1	6.0
NNE	.7	1.0	.7	.5								2.9	6.4
NE	.7	.8	.1	.4								2.0	5.9
ENE	1.2	.8	.3	.1								2.5	4.4
E	.7	.7	.5	.1								2.0	5.5
ESE	.5	.3	.4									1.2	4.9
SE	1.4	.7	.7									2.7	4.4
SSE	1.2	1.6	1.0	1.0	.4							5.2	7.8
S	2.2	2.3	1.6	.3								6.4	5.2
SSW	.8	.1	1.6	1.1								3.7	8.1
SW	.7	.4	1.5	.7								3.3	8.0
WSW	.7	1.4	1.1	.7	.1	.3						4.2	8.3
W	2.0	3.0	1.9	.7	.1							7.8	6.1
WNW	2.6	1.4	2.5	3.4	.4							10.2	8.7
NW	1.8	3.1	2.9	3.1	.4	.3						11.6	8.7
NNW	3.0	4.9	3.7	1.5	.1							13.3	6.5
VARBL													
CALM												12.8	
	22.3	25.4	22.8	14.5	1.6	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

732

CLIMATE CLIMATOLOGY BRANCH  
 AFMSTAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 142 PATUXENT RIVER NAS MD STATION NAME 74-81 YEARS JAN MONTH  
 ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.8	3.5	1.2								9.5	6.8
NNE	.7	1.4	.8	.3	.1							3.2	6.9
NE	.5	.4	.1	.3	.1							1.5	7.0
NNE	1.2	.7	.3									2.2	3.9
E	.5	1.1	1.1									2.7	5.7
ESE	.1	1.4	.3									1.8	4.9
SE	.8	.8	.5									2.2	4.9
ESE	1.6	1.4	.7	.5		.1						4.3	5.8
S	.5	2.3	1.4	.3	.1							4.6	6.7
SSW	.9	1.1	1.5	.5		.1	.1					4.3	7.9
SW	.7	.7	.5	1.1	.1							3.1	8.2
WSW	.8	.7	.9	.8	.5							3.8	9.2
W	1.9	1.6	2.4	1.4								7.3	7.9
WNW	1.4	1.6	2.2	4.3	.4	.3						10.1	9.7
NW	2.4	3.9	2.4	2.3	.7							11.8	7.5
NNW	2.6	5.1	4.3	.9								13.0	6.1
VARIABLE													
CALM												14.6	
	18.7	26.9	23.0	13.9	2.2	.5	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 739

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	1.8	1.1								6.5	6.6
NNE	1.1	2.4	.4	.5								4.5	5.7
NE	.8	1.9	.1	.3								3.1	5.3
ENE	.5	1.2	.4	.1								2.3	5.6
E	.7	1.5	.7									2.9	5.1
ESE	.4	1.4	.4	.3								2.4	6.2
SE	.7	1.6	.5	.1								3.0	5.2
SSE	.7	1.0	.8		.1							2.6	6.1
S	1.2	1.9	.8	.3	.1							4.4	5.8
SSW	1.2	1.0	1.2	1.1	.3							4.8	7.9
SW	1.4	2.4	.5	.5		.1	.1					5.2	6.7
WSW	1.0	1.2	.7	1.0	.3	.1						4.2	8.6
W	2.9	3.0	1.5	1.2	.1							8.7	5.9
WNW	1.6	1.8	1.9	3.0	1.0							9.3	9.6
NW	3.0	3.3	3.4	2.0	.4							12.1	7.2
NNW	2.9	4.5	4.5	1.2								13.1	6.6
VARBL													
CALM												11.0	
	21.4	32.4	19.7	12.8	2.3	.3	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

735

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-140 STATION PATUXENT RIVER NAS MD 74-81 YEARS JAN DATE  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0900-1100

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	4.0	2.7	1.0	.1							9.4	6.7
NNE	1.2	2.9	1.5									5.6	5.3
NE	1.4	.8	.4	.1								2.7	4.7
NNE	.8	1.2	.3									2.3	4.1
E	1.0	2.5	.4	.3								4.1	5.0
ESE	1.0	1.1	.5									2.6	4.3
SE	.7	1.5	1.1	.1								3.4	5.7
SSE	.4	1.6	1.0	1.0								4.0	7.3
S	.3	1.6	1.8	.8	.1							3.8	7.3
SSW	.4	1.2	1.8	.7								3.7	7.6
SW	.5	.8	2.3	1.1	.5	.1						5.5	10.0
WSW	.5	1.1	1.5	1.2	.4	.4						5.2	10.5
W	1.8	2.0	2.5	2.0	.5							8.5	8.8
WNW	1.2	1.8	4.0	2.5	.7							9.7	9.4
NW	.5	2.7	4.9	3.8	1.6							13.3	10.0
NNW	1.9	3.0	4.8	1.6	.3		.1					11.7	7.6
VARBL													
CALM												4.5	
	14.9	29.5	30.6	15.8	8.8	.5	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	3.0	2.3	1.8	.3							9.2	7.3
NNE	.4	4.1	1.8									6.3	5.6
NE	.7	2.1	.4									3.2	5.0
ENE	.7	1.4	.3									2.3	4.9
E	1.7	1.0	.1		.1							2.9	4.5
ESE	1.2	2.8	.8	.1								5.0	4.9
SE	1.3	3.0	2.8	.4								7.2	6.6
SSE	.4	1.2	1.5	.7								3.9	7.3
S	.3	.6	1.1	.8	.3							3.0	10.0
SSW	.1	1.4	1.5	.8	.1							4.0	8.5
SW	.1	1.1	1.5	1.8	.3							4.8	9.9
WSW		.8	1.5	1.5	.8	.3	.3					5.2	12.7
W	.3	1.1	2.3	3.2	1.1							8.0	11.4
WNW	.4	1.4	2.5	4.1	.8	.4						9.6	11.6
NW	.6	1.4	4.7	5.5	1.2	.1						13.5	10.9
NNW	.7	3.3	4.0	1.2	.4							9.6	8.0
VARBL													
CALM												2.3	
	10.3	29.6	29.2	22.0	5.5	.8	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 727

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-40 PATUXENT RIVER NAS MD

79-81

JAN

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.6	1.8	.5								6.4	5.9
NNE	2.1	2.7	1.1	.1								6.0	4.9
NE	1.1	2.3	.7									4.1	4.6
ENE	.8	.8	1.0									2.6	5.5
E	1.6	.7										2.3	2.9
ESE	1.8	1.5	.3									3.6	4.0
SE	1.6	2.5	3.0	.4								7.5	6.4
SSE	.9	1.9	3.6	.3								6.6	6.6
S	1.0	1.0	1.0	.7								3.6	6.9
SSW	.5	.5	1.1	1.1								3.3	8.5
SW	.4	.7	1.9	1.5	.3							4.8	9.6
WSW	.4	.7	1.2	2.3	.3	.1						5.1	10.7
W	.3	1.9	2.5	2.1	.5	.1						6.9	10.4
WNW	.1	1.2	4.1	3.3	.8	.1						9.7	10.6
NW	.5	2.6	4.1	4.3	.5							12.1	16.0
NNW	1.0	3.0	3.8	2.6	.5							11.0	8.5
VARBL													
CALM												4.4	
	15.6	26.2	31.1	19.2	3.0	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

729

U.S. NATIONAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

740 STATION PATUXENT RIVER NAS MD 74-81 YEARS JAN MONTH  
1930-2000  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.9	2.1	.7								8.0	6.1
NNE	1.7	.7	.6									2.9	4.0
NE	1.4	.8	.7	.1								3.0	5.0
ENE	.6	.8	.8									2.2	5.7
E	.7	.3	.1		.1							1.2	5.1
ESE	1.7	.3	.4									2.3	3.3
SE	1.2	1.8	.7									3.7	4.7
SSE	1.1	2.5	1.0	.4	.1							5.1	5.9
S	3.0	3.2	.4	.7	.1							7.4	4.7
SSW	1.0	.3	1.1	.1								3.0	5.9
SW	.4	1.4	1.8	.8	.1							4.5	8.4
WSW	.6	1.2	1.4	1.1	.4	.1	.1					5.0	9.8
W	1.4	1.8	1.4	1.0	.8							6.3	8.5
WNW	1.8	1.5	2.1	2.8	.8							8.9	9.2
NW	1.8	2.1	1.7	2.8	.7	.4						9.4	9.3
NNW	1.9	3.7	3.6	1.7	.3							11.1	7.3
VARIABLE													
CALM												15.8	
	21.5	26.7	19.7	12.1	3.6	.6	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 727



LOCAL CLIMATOLOGY BRANCH  
 AFSS/AC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-80 PATUXENT RIVER NAS MD 74-81 JAN 1974

ALL WEATHER

100-2300  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.2	1.2	.8								7.1	5.8
NNE	1.2	1.4	.8									5.8	5.0
NE	.8	.8	.8									2.5	4.9
NNE	.5	.5	.1									1.2	4.3
E	1.0	.4	.5	.3								2.2	5.7
ESE	1.2	.4	.3									1.9	3.9
SE	1.2	1.5	1.1									3.8	4.7
SSE	1.9	2.5	.8	.3	.1							5.6	5.2
S	2.1	3.9	.7	.8								7.4	5.3
SSW	.7	1.2	.4	.4								2.7	6.4
SW	.7	.8	1.2	.7								3.4	7.2
WSW	.4	1.4	1.6	1.8	.5	.1						5.9	10.0
W	1.4	1.8	1.1	1.1	.4							5.8	7.5
WNW	1.4	1.5	1.9	3.8	1.0	.1						9.7	10.1
NW	1.2	2.1	2.5	2.5	.4	.4						9.1	9.3
NNW	4.8	3.6	3.4	2.6	.4	.1						15.0	6.7
VARBL													
CALM												12.8	
	22.5	27.3	18.7	15.1	2.9	.8						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 729

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 74-40 PATUXENT RIVER NAS MD STATION NAME 74-81 YEARS JAN MONTH

ALL WEATHER

CLASS

ALL

MOON (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	2.2	1.0	.1							8.0	6.5
NNE	1.1	2.1	1.0	.2	.0							4.4	5.4
NE	.4	1.2	.4	.2	.0							2.8	5.1
ENE	.3	.9	.4	.0								2.2	4.8
E	1.0	1.0	.4	.1	.0							2.5	4.9
ESE	1.0	1.1	.4	.1								2.6	4.5
SE	1.1	1.7	1.3	.1								4.2	5.6
SSE	1.0	1.7	1.3	.5	.1	.0						4.6	6.5
S	1.3	2.1	1.0	.5	.1							5.1	6.1
SSW	.7	.9	1.2	.7	.1	.0	.0					3.7	7.7
SW	.6	1.0	1.4	1.0	.2	.0	.0					4.3	8.6
WSW	.5	1.1	1.2	1.3	.4	.2	.1					4.8	10.1
W	1.4	2.0	1.9	1.6	.5	.0						7.4	8.1
WNW	1.3	1.5	2.6	3.4	.7	.1						9.7	9.8
NW	1.5	2.6	3.3	3.2	.8	.2						11.6	9.2
NNW	2.3	3.4	4.0	1.7	.3	.0	.0					12.2	7.1
VARBL													
CALM												9.8	
	18.4	28.0	24.3	15.6	3.2	.6	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 5850

LOCAL CLIMATOLOGY BRANCH  
 WETAC  
 WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD YEAR 73-80 MONTH FEB  
 STATION NAME CLASS ALL WEATHER SOUND (L.S.V.) 0000-0200  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	3.1	1.0	.1							8.4	7.1
NNE	.6	1.6	1.5	1.2	.1							5.1	7.9
NE	.6	1.0	.7	.1	.1							2.7	6.8
ENE	.4	1.4	.6									2.8	5.2
E	1.0	.6	.6									2.2	4.3
ESE	.6	.6	.6	.1								1.9	5.2
SE	.6	1.6	.3									2.5	4.6
SSE	.9	2.1	.6									3.6	4.5
S	1.0	1.5	1.9	.4								4.9	6.6
SSW	1.2	1.4	2.1	1.2								6.3	7.1
SW	.4	.4	2.4	1.6								5.4	9.0
WSW	1.0	.6	.6	.6								2.8	6.2
W	.9	1.2	1.2	.6	.3							4.2	7.6
WNW	2.2	2.4	1.0	1.8	.7	.4						8.7	8.7
NW	2.4	3.1	3.1	3.0	.3							12.4	7.4
NNW	2.1	3.3	5.1	2.1	.3							12.8	7.8
VARBL													
CALM												13.3	
	18.1	24.7	25.5	13.9	2.1	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 670

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 41 PATUXENT RIVER NAS MD 73-80 YEARS MONTH FEB  
STATION NAME CLASS ALL WEATHER 0300-0500  
CONDITION MOSES (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.4	3.6	1.3								8.5	7.4
NNE	.7	1.2	1.9	1.0	.1							5.1	8.4
NE	.9	1.6	.7									3.3	5.1
ENE		1.2	.3	.1								1.6	6.2
E	.7	1.0	.9									2.7	5.3
ESE	.4	1.2	.1									1.8	4.6
SE	.4	1.2	.3									1.9	4.8
SSE	1.0	.9	.4									2.4	4.3
S	1.5	2.4	.6	.4								4.9	5.1
SSW	.4	1.2	2.1	1.5								5.7	8.6
SW	.6	1.2	1.3	1.5	.1	.1						4.5	8.6
WSW	1.5	.9	.9	.4		.1						3.7	6.5
W	1.8	2.2	1.0	.3								5.4	5.1
WNW	2.5	2.4	1.9	1.9	1.3	.1						10.3	8.6
NW	2.4	3.1	1.9	2.7	.1							10.3	7.6
NNW	3.1	3.9	5.7	2.2	.1							15.1	7.2
VARBL													
CALM												12.4	
	19.5	28.1	24.0	13.6	1.9	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 668

U.S. AIR FORCE  
 AIR FORCE CLIMATOLOGY BRANCH  
 AFM TAC  
 AIR FORCE FATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4 PATUMENT RIVER NAS MD STATION NAME 73-80 YEARS

ALL WEATHER  
 CLASS

0600

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	1.1	2.7	3.0	.7								7.8
NNE	1.3	1.4	1.6	1.2								6.3
NE	.6	1.3	.6	.3								2.8
ENE	.1	1.5	.3	.3								2.2
E	.3	1.3	1.5	.1								3.3
ESE		.5	.4									1.5
SE	.5	1.1	.4	.1								1.9
SSE	.3	.9	.7	.1								2.1
S	1.2	.9	.7	.6								3.4
SSW	.5	.7	.7	1.2								3.3
SW	2.5	.9	2.4	1.9	.3							8.1
WSW	1.3	1.6	1.6	.1								5.2
W	2.1	1.1	.6	.1								3.9
WNW	1.3	2.2	2.2	1.6	1.0	.1						8.7
NW	2.9	3.7	2.7	2.7	.9							12.9
NNW	2.1	4.5	5.5	1.8	.1							14.1
VARBL												
CALM												12.9
	13.6	27.1	25.7	13.2	2.4	.1						104.0

TOTAL NUMBER OF OBSERVATIONS 608

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 MONTH FEB  
 ALL WEATHER  
 CLASS  
 CONDITION

0900-1100  
 HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	4.4	2.1								4.9	8.1
NNE	.8	2.3	1.8	.3								5.1	6.1
NE	1.2	2.7	.8	.8	.2							5.6	6.3
ENE	.9	1.5	.6									3.0	5.3
E	.8	1.5	.8									3.0	5.0
ESE	.8	1.1	.9	.2								2.9	5.5
SE	1.2	.9	1.7	.6								4.4	6.7
SSE	.5	1.1	.9	.6								3.0	7.1
S	.2	.9	1.1	.6								2.7	8.1
SSW	.8	.5	1.1	2.0	.3							4.5	9.6
SW	.3	1.2	3.0	2.1								6.6	9.0
WSW	.5	.9	2.3	2.1	.6							6.3	10.2
W	1.1	1.4	.6	1.2	.2							4.4	7.4
WNW	.9	1.2	2.3	2.0	.5	.3						7.1	9.9
NW	.8	2.9	6.5	6.3	1.2	.3						17.9	10.4
NNW	.5	1.2	3.9	4.2	.6		.2					10.5	10.4
VARBL													
CALM												3.0	
	12.0	23.3	32.4	25.0	3.5	.6	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 664

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 PATUXENT RIVER NAS MD 73-80 YEARS FEB 1200-1400  
STATION NAME CLASS OBSERVATION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.4	2.6	3.3	1.2								8.5	7.0
NNE	.8	3.6	3.0	.6	.2							8.2	6.9
NE	.8	2.1	1.4	.8								5.0	6.8
ENE	.6	2.0	.8	.2								3.5	5.2
E	.9	1.7	.8									3.3	5.1
ESE	1.2	2.6	.2									3.9	4.2
SE	.9	3.1	3.2	1.7								8.8	7.4
SSE	.3	.8	2.7	.9	.2							4.8	8.8
S	.6	.2	1.1	.9	.2							2.9	8.8
SSW	.3	.6	1.7	1.1	.5							4.1	9.9
SW		.5	1.4	2.0	.5							4.2	11.7
WSW		.5	3.2	1.1	.3							5.0	10.1
W		.6	2.1	2.0	.2							4.8	10.7
WNW	.2	.9	1.7	2.1	.5	.3						5.6	10.9
NW		1.5	4.4	7.4	1.1	.2						14.5	11.6
NNW	.8	1.4	4.5	4.5	.9							12.1	10.3
VARBL													
CALM												.9	
	8.6	24.3	35.2	26.3	4.2	.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 662

2145

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-14 J PATUXENT RIVER NAS MD 73-80 FEB  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER  
 CLASS  
 CONDITION  
 1500-1700  
 HOURS (L.G.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.0	2.8	.7								7.2	7.0
NNE	1.5	3.1	2.7	1.0								8.4	6.5
NE	1.3	3.4	.6	.4								5.8	5.3
ENE	1.3	.6	.7	.1								2.8	4.9
E	.7	1.8	.3									2.8	4.6
ESE	1.0	3.1	.6									4.8	4.6
SE	1.5	3.3	4.8	.9								10.4	7.1
SSE	.7	3.6	4.9	1.9								11.2	7.6
S	.3	.6	1.3	.1								2.4	7.1
SSW		.9	.7	1.8								3.4	10.0
SW			1.5	1.3	.3							3.1	11.4
WSW	.3	.6	1.3	.4	.1							2.8	8.8
W	.1	1.5	2.2	1.2	.1							5.2	8.8
WNW	.3	.4	2.1	1.6	.7	.3						5.5	12.0
NW	.4	1.2	5.5	4.2	1.3	.3						13.0	11.0
NNW	.6	1.0	5.1	3.3	.1							10.1	9.6
VARBL													
CALM												.9	
	10.9	28.2	37.3	19.3	2.8	.6						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 670



U.S. AIR FORCE  
 AIR FORCE  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATUXENT RIVER NAS MD 73-80 FEB  
 STATION NAME YEARS MONTH  
ALL WEATHER  
 CLASS  
1800-2000  
 DATES (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.9	2.6	.9								9.5	6.0
NNE	1.5	1.4	1.5	.2								4.5	5.4
NE	.6	1.1	.8		.5							2.9	7.4
ENE	.9	1.8	.9	.2								3.8	5.2
E	1.4	.3	.5									2.1	3.9
ESE	1.8	.6										2.4	2.8
SE	1.7	3.2	.9									5.7	4.6
SSE	1.8	5.3	2.9									9.9	5.5
S	2.0	4.1	1.5									7.5	4.8
SSW	.8	.9	2.3	.8								4.7	7.7
SW	.5	.8	.3	.6								2.1	6.9
WSW	.9	.6	.3	.6								2.3	6.7
W	.8	1.5	1.1		.2							3.5	6.0
WNW	.8	1.2	1.1	1.2	.6	.5						5.3	10.7
NW	.6	1.4	3.9	3.2	.3	.2						9.5	9.9
NNW	3.3	3.6	3.2	2.1								12.2	6.8
VARBL													
CALM												12.3	
	1.1	31.4	23.5	9.6	1.5	.6						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 685

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 12-40 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80  
ALL WEATHER CLASS 2100-2300  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	26+	%	WIND
N	1.1	2.4	2.6	1.4									
NNE	.9	1.5	2.0	.5	.2								
NE	.9	1.1	1.1	.2	.2								
ENE	.3	1.1	.2	.2									
E	.6	1.2											
ESE	.6	.5	.2										
SE	1.4	1.8	1.1										
SSE	1.2	1.7	1.7	.2									
S	2.0	4.1	1.8	.5									
SSW	1.2	3.2	2.7	.3									
SW	.9	.5	1.1	1.5	.3								
WSW	.3	.5	.5	.6									
W	.6	.8	1.1	.8	.2								
WNW	2.3	1.4	1.7	1.4	.9	.3							
NW	2.7	2.0	3.5	3.2	.6	.2							
NNW	1.8	3.5	4.7	1.7	.3								
VARBL													
CALM													
	18.7	26.8	25.5	12.0	2.6	.2	.3						

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 40 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH FEB  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (L.O.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	3.2	1.2	.0							8.3	7.1
NNE	1.0	2.1	2.0	.8	.1							5.9	6.9
NE	.9	1.8	.8	.3	.1							3.9	6.2
ENE	.6	1.4	.5	.1								2.7	5.4
E	.8	1.2	.7	.0								2.7	5.0
ESE	.8	1.3	.4	.0								2.6	4.6
SE	1.0	2.0	1.6	.4								5.0	6.2
SSE	.8	2.0	1.9	.5	.0							5.2	6.5
S	1.1	1.8	1.3	.5	.0							4.6	6.1
SSW	.7	1.2	1.7	1.2	.1							4.9	8.1
SW	.7	.7	1.7	1.6	.2	.0						4.8	9.0
WSW	.8	.8	1.3	.8	.1	.0						3.8	8.0
W	.9	1.3	1.2	.8	.1							4.3	7.3
WNW	1.3	1.5	1.7	1.7	.8	.3	.0					7.4	9.6
NW	1.6	2.4	3.9	4.1	.7	.1						12.8	9.4
NNW	1.8	2.8	4.7	2.7	.3		.0					12.4	8.2
VARBL													
CALM												8.7	
	15.9	27.0	28.6	16.6	2.6	.4	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5331

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION  
7240ND

STATION NAME  
PATUXENT RIVER NAS MD

YEAR  
73-80

MONTH  
MAR

CLASS  
ALL WEATHER

NUMBER (L.S.T.)  
0000-0200

COUNTRY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.2	.8	.3							6.8	6.8
NNE	1.0	2.0	.8	.8	.3							4.9	7.1
NE	.3	1.2	.4	.4								2.3	6.1
ENE	1.1	.7	.3	.1								2.2	4.5
E	1.5	1.0	1.0									3.4	4.9
ESE	1.4	1.8		.1								3.3	4.3
SE	1.1	1.4	1.5	.1								4.1	5.6
SSE	1.8	2.4	2.4	.3								6.9	5.8
S	.8	2.7	3.4	2.4								9.4	7.9
SSW	1.0	.5	3.7	1.1								6.2	8.1
SW	.7	1.0	2.0	1.4								5.0	7.8
WSW	.5	.5	1.1	.8								3.0	8.0
W	2.0	.7	1.2	.8								4.8	6.3
WNW	1.9	1.6	1.0	2.6	.5		.1					7.7	8.9
NW	1.4	1.0	3.7	2.2	.4							8.6	9.0
NNW	1.5	3.7	3.4	1.5								10.1	7.0
VARBL													
CALM												11.4	
	19.0	24.5	28.0	15.5	1.5		.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAP  
DATE

ALL WEATHER

CLASS

CONDITION

J300-0500  
DOWNS (L&T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.3	.8	.1							6.8	7.1
NNE	.7	1.9	1.1	.3	.3							4.3	7.1
NE	1.0	1.5	.6	.3								3.3	5.5
NNE	1.0	1.4	.4									2.8	4.5
E	1.0	2.3	1.4									4.7	5.5
ESE	.6	.8	.6	.1								2.1	5.4
SE	1.4	1.1	1.0									3.5	5.1
SSE	.6	1.7	1.9	1.5								5.7	8.0
S	1.0	.8	2.3	1.1								5.2	7.6
SSW	.8	1.1	1.5	2.3	.3	.1						6.2	9.2
SW	1.1	1.5	1.8	.8								5.2	6.9
WSW	.6	1.0	1.4	.7	.1							3.7	7.5
W	1.4	1.1	1.7	1.2								5.4	7.5
WNW	2.1	1.7	1.5	1.9	.1							7.3	7.5
NW	1.7	2.5	2.3	1.2	.7							8.4	7.8
NNW	2.1	3.9	5.8	.8								12.6	6.8
VARBL													
CALM												12.6	
	17.8	26.7	27.6	13.3	1.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

724

U.S. AIR FORCE  
CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 12-40 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MAX. 8000  
 CLASS ALL WEATHER MEAN WIND SPEED 0600-0800  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.4	3.3	2.6	1.2								6.6	6.8
NNE	.4	1.9	1.0	.7								3.9	7.1
NE	1.0	1.4	1.4	.4								4.1	6.5
ENE	.6	1.4	.7	.7								3.3	6.7
E	.7	2.8	1.4	.3								5.1	5.9
ESE	1.0	.7	.7	.3								2.6	5.7
SE	1.7	2.1	.8	1.0								5.5	6.0
SSE	.7	1.5	1.5	.7	.1							4.6	7.6
S	1.1	.8	1.9	1.4								5.3	8.0
SSW	.6	.6	2.5	2.1	.1							5.8	9.4
SW	.4	1.7	2.1	1.5	.3							5.9	9.0
WSW	.7	.6	1.0	.4								2.6	6.3
W	1.7	2.1	1.8	1.2	.1							6.9	6.9
WNW	1.0	1.0	1.9	3.0								6.9	9.3
NW	1.4	1.2	2.5	1.4	.7	.4						7.6	9.3
NNW	1.7	2.8	4.8	1.8	.1							11.2	7.5
VARBL													
CALM												10.0	
	15.8	25.6	28.6	18.1	1.5	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 723

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12040 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAR  
ALL WEATHER  
CLAS  
CONDITION

0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.9	2.3	1.4								7.8	7.0
NNE	1.5	3.0	2.6	.8								7.9	6.2
NE	.4	3.0	.5	.1								4.1	5.5
ENE	.8	1.2	1.4	.5								4.0	6.9
E	.8	1.4	1.4	.4								4.0	6.1
ESE	1.0	2.2	1.5	.4								5.1	6.3
SE	.7	3.7	2.3	.8								7.5	6.7
SSE		1.2	.5	1.4	.4							3.6	10.0
S	.3	1.2	1.8	1.5	.3							5.1	9.4
SSW	.7	.4	2.2	2.3	.7							6.3	10.4
SW	.3	1.1	1.8	1.8	.4							5.3	10.5
WSW	.5	1.1	1.8	1.0	.1							4.5	7.8
W	.4	.5	1.2	1.0	.5							3.7	9.9
WNW	.5	1.2	3.6	2.9	.5	.1						8.9	10.2
NW	.1	1.5	3.8	4.9	1.0	.3						11.6	11.3
NNW	.7	1.0	3.3	3.4	.1	.1						8.6	10.1
VARBL													
CALM												2.2	
	10.0	26.6	32.0	24.6	4.1	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 732

U.S. AIR FORCE  
CLIMATE CENTER  
METAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 4040 PATUXENT RIVER NAS MD STATION NAME: 73-80 YEARS: MAR MONTH: 1200-1400 HOURS (L.S.T.)  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	1.9	2.0								7.8	7.4
NNE	.7	3.8	3.3	.7								8.5	6.7
NE	.7	2.6	1.6	.4								5.3	6.1
ENE	.4	1.8	.8	.5								3.6	6.8
E	.8	2.6	1.1									4.5	5.2
ESE	.4	3.0	2.7	.1								6.3	6.7
SE	.3	4.5	5.5	1.8	.3							12.3	8.0
SSE	.4	1.6	2.5	3.3	.3							8.1	9.5
S	.4	1.0	.5	1.2	.3							3.4	9.6
SSW	.3	.3	1.0	1.6	.3	.1						3.6	11.5
SW	.3	.7	2.5	2.0	.5							6.0	10.7
WSW	.1	.1	.5	1.2	.3	.3						2.6	12.7
W	.3	.5	1.4	1.0	.7	.1						4.0	11.4
WNW		1.0	2.6	4.0	.8							8.3	11.7
NW	.3	1.0	1.6	4.1	1.9	.1						9.0	12.6
NNW	.7	1.1	1.4	2.2	.8							6.1	10.6
VARB													
CALM												.7	
	7.4	28.0	30.9	26.2	6.1	.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 732



U.S. NATIONAL CLIMATOLOGY BRANCH  
 FETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17040 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS 1900-1970 MONTH 1500-1700  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	2.6	1.5								7.1	7.6
NNE	.4	3.2	3.0	.4								7.0	6.6
NE	.3	1.4	1.6	.3								3.6	7.2
ENE	.7	1.4	.3	.3								2.6	5.6
E	1.0	1.8	.4									3.2	4.6
ESE	.8	3.4	2.1	.4								6.7	6.3
SE	.7	4.5	8.0	1.1		.1						14.4	7.6
SSE	1.4	2.3	7.5	3.6	.3							15.1	8.6
S	.4	.4	1.4	.4	.3							2.9	8.6
SSW		.3	1.2	1.0	.3							2.7	10.9
SW			1.8	1.1	.1							3.0	10.8
WSW	.3		1.5	1.0	.1	.4						3.3	11.8
W	.1	.4	1.6	2.2	.1							4.5	10.3
WNW	.3	.8	1.0	2.7	.8							5.6	11.8
NW	.7	2.2	2.3	3.6	.8	.4						10.2	10.6
NNW	.8	1.0	1.8	2.6	.9	.1						6.7	10.2
VARBL													
CALM												1.5	
	7.1	24.6	38.1	22.1	3.3	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 729

U.S. AIR FORCE  
CLIMATE BRANCH  
METAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 401 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAR MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLARE

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.5	2.6	.5	.1	.1						7.5	6.9
NNE	1.1	1.4	1.5	.4	.1							4.5	6.9
NE	.7	.4	.4	.1								1.6	5.5
ENE	.5	.3	.3	.1								1.6	5.3
E	1.1	1.5	1.4	.1								4.1	5.7
ESE	1.7	.5	.7	.3								2.5	5.8
SE	1.4	5.3	2.9	.4								10.0	6.0
SSE	2.9	5.8	7.1	2.2								17.6	6.7
S	1.3	2.7	2.6	.7								7.8	6.1
SSW	.5	1.1	.8	.3	.1							2.9	7.0
SW	1.1	.7	1.2	.8								3.8	6.9
WSW	.4	.7	.4	.8	.3	.1						2.7	9.7
W	.5	1.0	.4	.8		.1						2.9	8.1
WNW	.5	.7	1.1	1.2	1.0							4.5	10.4
NW	1.0	.7	2.5	2.5	.4	.1						7.1	9.9
NNW	1.5	2.3	2.6	1.9	.5							8.9	8.4
VARBL													
CALM												9.3	
	17.7	25.1	28.4	13.3	2.6	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 729

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFMPC  
 WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION PAUXENT RIVER NAS MD STATION NAME 15-80 YEARS MAR  
 ALL WEATHER CLASS 2100-2300  
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.8	2.6	.7	.1	.3						7.1	7.5
NNE	.3	1.4	1.9	.8	.1							4.5	8.4
NE	.5	.8										1.4	3.5
ENE	1.0	.5	.5	.1								2.2	4.8
E	.5	1.2	1.1									2.9	5.6
ESE	.7	1.9	.8									3.4	5.2
SE	1.6	2.7	2.6	.4								7.4	6.0
SSE	1.4	4.5	3.1	1.0								10.0	6.4
S	3.0	3.3	3.3	1.6								11.2	6.5
SSW	1.4	1.4	2.0	1.2								6.0	6.8
SW	.4	.1	1.0	1.0								2.5	8.7
WSW	1.2	.7	.5	.3	.1							2.9	6.2
W	.4	1.0	.5	.7	.3	.1						3.0	9.2
WNW	1.9	1.8	1.2	1.9	.7							7.5	8.6
NW	1.5	1.8	2.3	2.9	.5							9.3	9.2
NNW	1.5	2.2	2.9	1.8	.4							8.7	8.1
VARBL													
CALM												10.5	
	19.0	27.0	26.5	14.3	2.3	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 733

2  
CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 46 PATUXENT RIVER NAS MD 73-8U MAW  
STATION NAME ALL WEATHER ALL  
CLASS ALL  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.4	1.1	.1	.1						7.4	7.1
NNE	.8	2.3	1.9	.6	.1							5.7	6.9
NE	.5	1.5	.8	.3								3.2	5.9
ENE	.8	1.1	.6	.3								2.8	5.8
E	.9	1.3	1.1	.1								4.0	5.5
ESE	.8	1.8	1.1	.2								4.0	5.8
SE	1.1	3.2	3.1	.7	.0	.0						8.1	6.7
SSE	1.1	2.6	3.3	1.7	.1							9.0	7.6
S	1.1	1.6	2.2	1.3	.1							6.3	7.6
SSW	.7	.7	1.9	1.5	.2	.0						5.0	9.0
SW	.5	.8	1.8	1.3	.2							4.6	8.9
WSW	.5	.6	1.0	.8	.1	.1						3.2	8.7
W	.9	.9	1.2	1.1	.2	.1						4.4	8.5
WNW	1.0	1.2	1.7	2.5	.6	.0	.0					7.1	9.7
NW	1.0	1.5	2.6	2.8	.8	.2						8.9	10.1
NNW	1.3	2.2	3.2	2.0	.3	.0						9.1	8.3
VARBL													
CALM												7.3	
	14.5	26.4	30.0	18.4	2.9	.5	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5838

CLIMATE CLIMATOLOGY BRANCH  
 AFM ETAC  
 AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD 73-80 YEAR MONTH APR  
 STATION NAME ALL WEATHER 0000-0200  
 CLASS HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.7	1.5	1.0								5.8	6.8
NNE	.6	1.0	1.1		.1							3.1	6.2
NE	.5	.6	.3		.1		.1					1.4	8.7
NNE	.5	.5	.7	.1								1.4	6.8
E	1.0	2.3	1.4	.1								4.8	5.6
ESE	.2	1.2	.6	.1								2.5	5.4
SE	.6	1.3	.8	.1								2.8	5.6
SSE	1.0	3.1	2.1	.4								6.6	5.9
S	2.4	3.4	.7	1.1								6.0	5.7
SSW	.7	1.3	3.7	1.7								7.3	8.3
SW	.8	2.4	3.9	1.5	.1							8.9	8.0
WSW	1.4	.8	1.5	1.0								4.8	7.0
W	1.3	3.1	2.0	.8								7.2	6.2
WNW	2.4	3.0	2.1	.6	.6	.1						8.7	6.9
NW	1.5	2.0	2.5	2.7	.1	.1						9.0	8.3
NNW	1.0	2.3	2.0	1.0	.3							6.5	7.5
VARBL													
CALM												11.1	
	17.9	29.7	27.0	12.4	1.4	.3	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 710

JOINT CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	1.7	.6								5.6	6.0
NNE	.8	1.3	.6	.4								3.1	6.5
NE	.8	1.7	.3									2.8	4.7
ENE	.4	.8	.6	.3								2.1	6.7
E	.7	2.3	1.8	.1								4.9	6.2
ESE	1.1	.6	.1	.1								2.0	3.9
SE	1.1	.6	.1									1.8	3.9
SSE	1.1	1.6	.8	.8								4.4	6.3
S	1.3	.6	.7	.4								3.0	5.4
SSW	.7	1.6	2.1	1.8								6.2	7.9
SW	.7	2.5	2.5	3.1								8.9	8.6
WSW	1.1	.7	2.3	.7								4.8	7.3
W	2.3	4.1	2.1	.8								9.3	5.8
WNW	2.4	3.4	2.0	.7	.3	.6						9.3	7.2
NW	2.5	2.5	2.1	2.8								10.0	7.3
NNW	1.7	2.8	1.8	.4	.4	.1						7.3	6.7
VARBL													
CALM												14.4	
	19.9	29.3	21.7	13.3	.7	.7						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

709

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

124 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0600  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	1.7	1.1	.9	.1	.1						4.7	7.9
NNE	.3	1.4	1.6	.4								3.7	7.1
NE	.6	2.8	.9	.1								4.4	5.5
NNE	.9	.9	.4	.9	.1							3.1	7.5
E	.4	1.7	2.0	.6								4.7	7.2
ESE	.7	.6	.7			.1						2.1	6.5
SE	.7	1.1	.7									2.6	4.9
SSE	.7	1.1	2.0	.3								4.1	6.5
S	.3	.9	1.0	.1	.3							2.6	8.1
SSW	.7	1.1	1.6	1.3								4.7	7.6
SW	.9	1.4	2.3	1.7	1.0							7.3	9.8
WSW	1.3	1.0	1.7	2.0								6.0	8.3
W	1.3	3.4	2.7	.4	.1							8.0	6.4
WNW	2.8	3.7	3.7	1.4		.4						12.1	6.9
NW	2.0	3.3	3.6	3.8								12.7	8.3
NNW	1.1	2.6	2.8	1.1	.1							7.8	7.4
VARBL													
CALM												9.4	
	15.4	28.8	28.8	15.1	1.9	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

702

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	5.3	2.9	1.0	.3	.3						8.1	8.2
NNE	.4	2.6	1.8	.4	.1							5.4	7.3
NE	.1	1.6	2.0	.6								4.3	7.3
NNE	.6	2.7	.6	.4	.1							3.7	6.7
E	.6	2.7	.7	.4								4.4	6.2
ESE	.7	3.3	1.6	.1								5.7	5.5
SE	.9	1.3	3.3	.9								6.2	7.5
SSE	.4	1.6	1.4	1.6								5.0	7.9
S	.4	1.3	1.3	1.1								4.1	7.6
SSW	.1	.6	1.3	2.3		.1						4.4	10.8
SW	.6	.6	1.6	2.8	.3	.4						6.2	11.1
WSW	.3	1.3	1.8	1.7	.4	.1						5.7	10.0
W	.3	1.6	1.6	1.8		.1						5.4	9.3
WNW	.7	2.3	3.8	1.8	.1	.3	.1					9.2	9.2
NW	.4	2.4	4.5	5.4	.3		.1					13.6	10.1
NNW	.4	1.7	2.8	2.4	.1							7.5	9.2
VARBL													
CALM												1.1	
	7.4	30.2	32.9	24.8	1.8	1.4	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

705



U.S. AIR FORCE  
METAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73-40 PATUXENT RIVER NAS MD YEARS 73-80 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.8	1.7	1.1	.3							6.2	7.6
NNE	1.4	2.0	2.3	.8								6.5	6.6
NE	.7	2.8	2.1	.7								6.3	6.7
NNE	.6	1.3	.8	.1	.4							3.2	7.4
E	.7	2.0	1.5	.4								4.6	6.6
ESE	.6	4.2	3.0	.4								8.2	6.4
SE	.7	2.5	8.0	2.8								14.1	8.3
SSE	.4	1.0	3.0	3.2	.1							7.7	9.9
S	.1		.8	1.5								2.5	10.6
SSW	.3	.3	.4	1.3	.3							2.5	10.9
SW			1.0	2.3	.4							3.7	13.1
WSW	.1	.3	1.7	2.0	.3	.4						4.8	12.1
W		.5	2.0	2.5	.7							5.5	12.4
WNW		.7	1.8	2.7	.4	.1	.4					6.2	12.5
NW	.1	.8	4.6	5.2	1.0	.1						12.0	11.1
NNW	.4	1.1	2.4	1.4	.1		.1					5.6	9.5
VARBL													
CALM												.3	
	6.5	22.1	37.2	28.6	4.1	.7	.6					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 710

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 740040 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	2.4	.7	.1							6.5	6.9
NNE	.3	2.7	2.0	.7								5.7	7.2
NE	.6	1.7	.3	.3								2.8	5.9
ENE	.4	.3	.3	.1	.3							1.4	8.1
E	.4	2.0	.6	.3	.1							3.4	6.3
ESE	.7	3.1	2.0	.1		.1						6.1	6.3
SE	.7	4.4	6.5	2.8								14.4	7.9
SSE	.6	3.1	7.5	6.5	.4							18.1	9.6
S		.7	2.1	.8	.1							3.8	9.6
SSW		.1	.6	1.1	.3							2.1	12.1
SW		.1	.6	1.3	.4							2.4	12.8
WSW		.4	1.6	.8	.3	.1						3.3	11.2
W		.4	2.5	2.0	.4	.1	.4					5.9	12.9
WNW		.6	2.4	1.4	.3	.3						5.0	11.0
NW	.4	1.0	4.0	5.4	.6	.3						11.6	11.2
NNW	.8	.4	2.3	2.1	.3	.1	.1					6.2	10.3
VARBL													
CALM												1.1	
	6.2	23.1	37.5	26.6	3.7	1.1	.6					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 706

ALFAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720140 STATION PATUXENT RIVER NAS MD 73-80 YEARS APR MONTH

ALL WEATHER CLASS

1960-2000 DATES (L&T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	2.0	.6								5.2	6.4
NNE	1.4	1.2	1.0	.1								3.7	5.1
NE	.6	.9	.4	.4								2.3	6.6
NNE	.7	.4	.4	.1								1.7	5.2
E	.7	.6	.4	.4								2.2	6.3
ESE	.7	.6	1.2	.4								.9	6.4
SE	1.4	3.3	1.9	1.2								1.8	6.3
SSE	2.7	8.1	7.6	2.3								70.7	6.7
S	2.3	4.6	4.6	1.4	.1							12.8	6.8
SSW	.9	.4	.7	.4	.1							2.6	7.2
SW	.1	.6	1.0	.9	.1							2.7	9.3
WSW		1.0	.4	.1	.6							2.2	9.7
W	1.0	1.2	2.4	1.0		.1	.1					5.9	8.4
WNW	.6	1.2	.7	1.9	.4	.4						5.2	10.7
NW	.7	1.6	2.6	2.4	.4		.1					7.9	9.9
NNW	1.0	2.2	1.6	1.4	.4	.3						6.9	8.6
VARBL													
CALM												7.3	
	16.0	28.9	29.1	15.3	2.3	.9	.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 695

2155

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD 73-80 APP MONTH  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	1.8	.4								5.7	6.1
NNE	1.1	1.0	.9	.1		.1						3.3	6.3
NE	.4	1.1		.1								1.7	5.1
ENE	.6	.6	.6									1.7	5.3
E	.4	1.3	1.6									3.3	6.6
ESE	1.3	1.3	1.0	.4								3.4	6.0
SE	1.0	2.3	.9		.1							4.3	5.3
SSE	1.4	4.3	3.8	.6	.1							10.2	6.4
S	2.7	5.8	3.8	.7								13.1	5.8
SSW	2.1	2.1	3.4	1.8								9.5	6.9
SW	1.4	1.7	1.0	1.1								5.3	6.5
WSW	.7	.6	.6	.4	.1							2.4	7.5
W	.6	1.7	1.7	1.0								5.0	7.4
WNW	1.7	1.1	1.6	1.1	.3	.6	.1					6.5	9.3
NW	1.6	.6	3.3	1.6	.3							7.3	8.4
NNW	1.1	1.4	3.4	1.0	.1	.1						7.3	7.9
VARBL													
CALM												10.1	
	19.3	28.6	29.3	10.5	1.1	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 703

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13040 PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR APR MONTH ALL MONTH (L.S.T.)

ALL WEATHER

CLAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	1.9	.8	.1	.1						6.0	7.1
NNE	.8	1.6	1.4	.4	.0	.0						4.3	6.6
NE	.5	1.6	.8	.3	.0		.0					3.3	6.3
NNE	.5	.8	.5	.3	.1							2.3	6.8
E	.6	1.8	1.3	.3	.0							4.0	6.4
ESE	.9	1.9	1.3	.2		.0						4.1	6.0
SE	.9	2.1	2.8	1.0	.0							6.8	7.1
SSE	1.0	1.0	3.5	2.0	.1							9.6	7.7
S	1.2	2.2	1.9	.9	.1							6.2	6.8
SSW	.7	.9	1.7	1.5	.1	.0						4.9	8.4
SW	.5	1.2	1.7	1.8	.3	.1						5.7	9.4
WSW	.6	.8	1.5	1.1	.2	.1						4.2	9.1
W	.8	2.0	2.1	1.3	.2	.1	.1					6.5	8.3
WNW	1.3	2.0	2.3	1.5	.3	.4	.1					7.8	8.8
NW	1.2	1.9	3.4	3.7	.3	.1	.0					10.5	9.4
NNW	1.0	1.8	2.4	1.4	.2	.1	.0					6.9	8.3
VARBL													
CALM												6.9	
	13.6	27.6	30.4	18.3	2.1	.8	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5640

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD 73-80 MAY 0000-0200  
STATION NAME CLARK  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	1.0	.1								3.4	5.1
NNE	.5	.8	1.5	.3	.1							3.3	7.6
NE	.5	1.9	.8	.1								3.4	5.4
ENE	.7	.8	.5	.1								2.2	5.8
E	1.0	1.4	.7									3.6	4.8
ESE	.8	1.5	.7	.1								3.1	5.7
SE	.8	2.0	1.2	.1								4.2	5.7
SSE	2.5	2.3	1.8	.4								6.6	5.5
S	3.7	4.5	4.1	1.1								13.4	5.9
SSW	1.2	2.9	3.0	1.5	.3							6.9	7.7
SW	1.6	2.2	3.7	1.1	.1							8.7	7.0
WSW	1.1	1.2	1.1	.7								4.0	6.4
W	2.3	2.6	1.1	.3								6.3	4.7
WNW	1.4	1.9	1.4	.5								5.2	6.0
NW	2.6	2.0	.7	.3								5.6	4.6
NNW	1.4	1.4	2.3	.8								5.9	6.6
VARBL													
CALM												12.3	
	22.7	51.3	25.5	7.7	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 732

U.S. AIR FORCE  
 CLIMATE DIVISION  
 WASHINGTON, D.C. 20330-5000

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PAUQUET RIVER NAS MD YEARS 73-80 MONTH MAY  
 CLASS ALL WEATHER HOURS (L.S.T.) 1300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.9	.1								5.3	5.9
NNE	.7	1.7	2.3	.4								5.1	6.6
NE	.7	1.0	.6	.3								2.5	6.2
ENE	1.0	1.0	.5	.6								2.8	6.1
E	1.3	.8	1.0									2.5	5.2
ESE	.6	.8	1.0									2.3	5.7
SE	1.0	1.4	1.4	.1								3.9	5.8
SSE	1.5	1.2	1.7	.6								5.0	6.2
S	1.4	2.1	1.7	.3								5.4	5.7
SSW	1.5	2.5	4.8	1.2	.1							10.2	7.6
SW	1.5	1.5	2.8	1.5								7.3	7.0
WSW	1.8	1.5	.8	.9								4.6	5.0
W	3.4	3.0	1.5	.1								6.1	4.6
WNW	2.3	2.6	.8									5.8	4.2
NW	3.0	2.5	1.5	1.2								8.3	5.7
NNW	1.9	2.6	2.2	.5								7.0	5.6
VARBL													
CALM												14.3	
	24.7	27.6	26.1	7.2	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 725

FEDERAL CLIMATOLOGY BRANCH  
 AFCEC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 40 PATUXENT RIVER NAS MD 73-80 YEAR MONTH 06-08-00  
 STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.6	1.5	.4								6.1	5.5
NNE	.3	3.3	1.8	.7								6.6	6.2
NE	.4	1.4	1.0	.1								3.3	5.6
ENE	.4	1.5	1.2									3.2	5.7
E	1.1	1.4	1.1	.1								3.7	5.6
ESE	.3	1.1	.6	.1								2.1	6.1
SE	1.1	1.2	1.0	.1								3.5	5.2
SSE	1.2	2.2	1.4	.3	.1							5.2	6.1
S	2.2	2.3	1.5	.4	.1							6.6	5.6
SSW	.4	1.9	3.2	1.5	.1							7.6	7.9
SW	1.1	2.2	3.9	1.8	.1							9.1	7.9
WSW	.4	1.7	2.6	.3								5.5	6.8
W	1.9	4.1	1.8	.6								8.4	5.6
WNW	1.7	3.5	1.9	.7								7.7	5.9
NW	2.2	1.5	1.7	.8	.1							6.4	6.2
NNW	1.5	4.3	2.6	.6								9.3	5.9
VARBL													
CALM												5.5	
	12.8	36.7	28.7	8.6	.7							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 724



NATIONAL METEOROLOGICAL SERVICE  
 WEATHER SERVICE/RAU

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS MAY  
 CLASS ALL WEATHER MONTH 1950-1951  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.7	4.0	.5								1.5	5.1
NNE	1.5	4.0	3.0	.7								10.1	5.8
NE	.6	1.6	1.1									3.0	5.2
ENE	.4	1.2	.4									2.0	5.0
E	1.1	3.0	1.6	.1								5.9	5.5
ESE	1.1	3.0	1.6	.4								5.7	7.7
SE	.7	2.9	5.9	.5								10.0	7.3
SSE	.3	1.4	2.5	1.0								5.1	7.9
S	.4	1.2	1.5	1.0								4.1	7.3
SSW	.1	1.2	3.7	1.4								6.4	8.6
SW	.5	.8	2.0	1.9	.3							5.6	9.4
WSW	.3	1.0	2.6	.7								4.5	8.2
W	.8	1.4	2.3	1.4	.1							6.0	8.1
WNW	1.3	1.4	2.2	.4								5.3	6.7
NW	.3	1.9	3.1	1.9	.3	.1						5.2	6.7
NNW	.7	1.8	1.2	.7								4.4	6.6
VARBL													
CALM												1.5	
	12.8	33.3	38.8	12.6	.7	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 732

1. NATIONAL CLIMATOLOGY BRANCH  
2. FETAC  
4. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATUXENT RIVER NAS MD YEAR 73-80 MONTH MAY  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.5	2.3									7.7	5.5
NNE	.7	4.3	2.6	.8								8.4	5.4
NE	.8	3.4	.8	.1								5.6	5.3
ENE	.3	.7	.7									1.6	6.0
E	.4	1.4	1.1	.3	.1							3.3	7.2
ESE	.7	3.8	3.0	.5								8.0	6.5
SE	.4	5.4	7.6	3.4	.3							17.1	8.4
SSE	.4	2.3	7.1	3.7	.1							13.6	9.1
S		1.1	1.4	1.0	.1							3.5	9.4
SSW	.1	.1	1.4	1.2	.4							3.3	11.0
SW	.1	1.0	1.6	1.0	.1							3.8	9.1
WSW		1.1	2.2	1.2	.1							4.6	9.7
W	.7	.5	1.4	.7								3.3	7.7
WNW	.5	1.6	2.2	.8								4.4	8.0
NW	.4	1.0	2.4	2.0	.3							6.1	9.7
NNW	.4	1.4	1.4	.5	.1							3.8	8.0
VARBL													
CALM												1.4	
	6.7	34.0	39.0	17.3	1.8							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 736

JOINT CLIMATOLOGY BRANCH  
 AFMSTAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PATUXENT RIVER NAS MD YEARS 73-80 MONTH MAY  
 CLASS ALL WEATHER  
 PERIOD 1500-1700  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.4	1.4	.5								6.7	5.1
NNE	1.6	4.5	2.5	.3								3.9	5.6
NE	1.1	1.6	.4	.3								3.4	5.2
ENE	1.0	1.2	.5									2.7	4.9
E	.8	.7	.4	.5								2.5	5.9
ESE	.4	3.5	2.7	.3								7.0	6.4
SE	.7	4.7	6.6	2.9								14.8	8.0
SSE	.4	4.3	9.3	6.9	.3							21.2	9.5
S	.1	1.1	2.2	2.2	.1							5.8	9.5
SSW	.3	.3	1.6	1.0								1.2	9.1
SW		.3	1.2	1.5	.1							3.7	9.9
WSW	.3	.4	1.9	.4								3.3	8.1
W	.5	1.3	1.9	.5								3.7	7.9
WNW	.1	.7	1.1	.4	.5							2.9	10.0
NW	.4	1.4	2.5	1.2	.1							5.6	8.2
NNW	.3	1.4	1.6	.7	.3							4.3	8.3
VARBL													
CALM												.5	
	9.5	31.0	33.0	19.4	1.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 723

U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 143 PATUXENT RIVER NAS MD

73-80

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLAS

HOURL (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.1	.4								6.2	4.6
NNE	1.9	1.5	.6	.3	.1							4.4	4.9
NE	.6	.6	.7	.1								1.9	5.6
ENE	.7	1.7	1.1									2.8	5.6
E	1.0	1.0	1.4									3.3	5.7
ESE	1.5	1.5	.8	.3								4.1	5.0
SE	2.2	4.1	1.8	.6								8.6	5.4
SSE	1.9	7.9	8.4	2.2								23.4	7.2
S	2.9	6.2	4.7	1.4								15.2	6.1
SSW	.3	1.9	1.1	.4								3.7	6.4
SW	1.4	2.2	1.2	.6								5.4	5.9
WSW	.4	1.2	.6	.6								2.8	6.8
W	1.4	.4	.3									2.5	4.2
WNW	.8	1.1	.7									2.6	5.0
NW	1.4	1.0	.3	.3								2.9	5.0
NNW	1.0	1.5	1.4	.1								4.0	5.7
VARBL													
CALM												9.2	
	22.3	35.0	26.1	7.2	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

725

LOCAL CLIMATOLOGY BRANCH  
 WILMINGTON  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: PATUXENT RIVER NAS MD STATION NAME: 73-80 YEARS: MAY MONTH: 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.0	1.2	.5	.1								2.9	4.8
NNE	.5	.3	.8	.1								1.8	6.2
NE	.3	1.4	1.1									2.7	6.0
ENE	1.0	.7	1.0									2.6	4.5
E	.4	2.1	1.8									4.2	6.3
ESE	1.2	1.0	.8	.1								5.2	5.1
SE	1.0	2.7	1.4	.1								5.2	5.7
SSE	2.9	4.4	3.3	1.0								11.5	6.0
S	5.3	6.3	5.3	.8								18.2	5.4
SSW	2.9	2.3	2.1	.4								7.7	5.3
SW	1.5	3.4	1.8	.5								7.3	5.8
WSW	1.4	1.9	.5	.5								4.4	5.6
W	1.3	1.1	1.5									4.4	5.0
WNW	1.4	1.6	1.0									4.0	4.9
NW	1.5	.8	.5	.3								3.2	4.9
NNW	1.4	1.5	1.5	.3								4.7	5.7
VARBL													
CALM												12.2	
	25.8	32.1	24.9	4.4								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 730

2160

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 PATUXENT RIVER NAS MD 73-80 MAY MONTH  
STATION NAME YEARS ALL MONTHS  
ALL WEATHER CLASS ALL MONTHS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.5	1.7	.3								6.1	5.4
NNE	1.0	2.7	1.9	.4	.0							6.1	6.1
NE	.7	1.7	.8	.1								5.3	5.5
ENE	.7	1.0	.7	.1								2.5	5.5
E	.8	1.5	1.1	.1	.0							5.6	5.8
ESE	.8	2.1	1.4	.2								4.6	5.9
SE	1.0	3.1	3.4	1.0	.0							8.4	7.1
SSE	1.3	3.2	4.4	2.0	.1							11.1	7.7
S	2.1	3.1	2.8	1.0	.1							9.0	6.3
SSW	.9	1.6	2.6	1.1	.1							6.4	7.7
SW	1.0	1.8	2.3	1.2	.1							6.4	7.5
WSW	.7	1.3	1.5	.6	.0							4.1	7.1
W	1.6	1.8	1.5	.4	.0							5.3	5.9
WNW	1.1	1.9	1.4	.4	.1							4.8	6.2
NW	1.5	1.5	1.6	1.0	.1	.0						5.8	6.9
NNW	1.1	2.0	1.8	.5	.1							5.4	6.4
VARBL													
CALM												7.3	
	17.4	52.1	30.9	10.5	.7	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 5632

AL CLIMATOLOGY BRANCH  
 ETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PATUXENT RIVER NAS MD YEAR 73-80 MONTH JUN  
 ALL WEATHER  
 CLASS  
 CONDITION

0000-0200  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6		.3								1.3	5.3
NNE	.1	1.3		.1								1.6	5.5
NE	.4	1.6	.8	.3								3.1	6.4
ENE	.5	1.0	.7									2.0	5.7
E	.7	.8	1.3	.1								3.0	5.8
ESE	.6	.6	.7	.1								2.0	5.6
SE	.4	.9	.1	.1								1.6	5.1
SSE	1.7	3.1	.6									5.4	4.4
S	4.8	6.2	4.4	.8								16.2	5.3
SSW	1.7	2.7	4.2	1.3								9.9	7.0
SW	1.6	4.9	5.6	.6								13.0	6.5
WSW	.6	3.1	2.4	.3								6.4	6.2
W	2.1	4.0	1.3	.1								7.5	4.8
WNW	2.7	2.3	.8									5.8	4.3
NW	2.3	1.3		.1	.6							4.2	5.3
NNW	2.3	2.1	1.4	.3								6.1	5.0
VARBL													
CALM												11.2	
	22.9	36.3	24.4	4.7	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD 75-80 YEARS JUN MONTH  
STATION NAME CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	.7									2.7	5.5
NNE	.3	1.0	.8	.1								2.3	6.6
NE	.1	1.3	1.3	.4								3.1	7.0
ENE		.7	.8									1.6	6.5
E	.8	1.4	.6									2.8	4.8
ESE	.6	.4	.3	.6								1.8	7.6
SE	.5	.3	.1									1.0	3.3
SSE	1.3	1.3	.1									2.7	3.9
S	3.7	3.0	2.1	.7								9.5	5.2
SSW	1.6	3.2	3.0	1.0								8.8	6.4
SW	1.4	4.9	6.2	1.3								13.8	6.9
WSW	1.3	2.4	2.0	.7								6.4	6.2
W	4.1	4.8	1.0	.4								10.3	4.5
WNW	2.8	4.5	1.0	.4								8.8	4.6
NW	1.8	2.5	.4	.1								4.9	4.4
NNW	2.0	1.3	1.6	.4								5.2	5.6
VARBL													
CALM												14.4	
	22.6	34.7	22.0	6.2								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 708



LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION  
PATUXENT RIVER NAS MD

STATION NAME  
PATUXENT RIVER NAS MD

73-80

YEARS

JUN

MONTH

ALL WEATHER

CLASS

0600-0800

HOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.3	1.9	.9	.1								4.2	4.8
NNE	.6	1.4	2.4	.3								4.7	6.7
NE	.6	1.1	1.0									2.7	5.5
ENE	.6	2.2	1.0									3.7	5.5
E	1.0	1.0	.1	.1								2.3	4.3
ESE	.4	1.0	1.4	.3								3.2	6.9
SE	.6	1.0	.3	.1								2.0	5.1
SSE	.9	1.0	1.6	.1								3.6	6.0
S	1.9	3.0	2.0	.7								7.6	5.8
SSW	1.3	2.6	2.9	.3								7.0	6.2
SW	1.4	3.0	5.0	2.9								12.4	7.8
WSW	.4	2.9	3.2	1.0								7.5	7.6
W	1.9	3.6	2.0	.1								7.6	5.3
WNW	1.1	4.9	1.6	.4	.1							8.2	5.8
NW	3.0	2.9	2.6	.6								9.1	5.4
NNW	1.3	3.0	1.6	.4								6.3	5.8
VARBL													
CALM												7.9	
	18.2	36.5	29.6	7.6	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

696

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PATUXENT RIVER NAS MD YEARS 73-80  
CLASS ALL WEATHER  
CONDITION  
JUN MONTHS 0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.4	.4								7.0	6.6
NNE	1.4	2.9	2.8	.3								7.4	6.1
NE	.8	2.5	1.0	.1								4.5	5.7
ENE	.7	1.7	1.0	.1								3.5	5.6
E	1.1	2.5	.6	.1								4.4	4.8
ESE	.8	3.8	2.2	.3								7.2	6.0
SE	.4	3.1	4.8	.6								8.8	7.2
SSE	.4	2.0	2.2	.6								5.2	7.1
S	1.0	1.3	2.7	.6								5.5	7.0
SSW	.4	1.4	3.1	.7								5.6	7.7
SW	.3	.6	3.2	1.5								5.6	9.0
WSW	.4	1.8	4.1	2.0								8.3	8.7
W	1.7	2.8	2.9	.4								7.9	6.2
WNW	1.0	2.7	1.5	.4								5.6	6.3
NW	.7	1.7	2.5	2.4								7.3	8.4
NNW	.6	2.0	1.5	.3								4.4	6.2
VARBL													
CALM												1.8	
	12.9	34.8	39.6	10.8								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 712

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	PATUXENT RIVER NAS MD	73-80	JUN
	STATION NAME	YEARS	MOYR
	ALL WEATHER		1230-1400
	CLASS		NOON (L.S.T.)
	CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS 708

CLIMATE DIVISION  
 METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: PATUXENT RIVER NAS MD STATION NAME: 73-80 YEARS: 1973-1974 MONTH: JAN  
 ALL WEATHER CLASS: 1500-1700 HOURS (L.S.T.)  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	.8									5.1	5.4
NNE	.6	1.8	2.5	.3								5.2	6.5
NE	1.7	2.5	1.1									5.6	4.6
ENE	.3	.7	.8	.1								2.0	6.4
E	1.0	2.0	.8	.6								4.4	6.1
ESE	1.1	2.4	.6	.6								4.7	5.5
SE	.1	4.1	7.8	3.8								15.8	6.5
SSE	.4	4.4	12.1	5.2	.1							22.3	8.7
S	.4	1.4	2.7	1.1								5.6	8.1
SSW		.5	1.7	1.4	.1							3.5	10.5
SW	.1	.1	2.3	1.4	.3							4.2	10.6
WSW		.4	2.3	1.3								4.4	9.2
W	.1	1.1	2.4									3.7	7.3
WNW	.7	1.1	.7	.7	.4							3.7	8.3
NW	.5	.8	2.0	2.0	.1							5.2	9.9
NNW	.4	1.4	1.4	.4								4.1	6.5
VARBL													
CALM												.6	
	7.8	29.6	42.0	19.5	1.1							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 700

U.S. METEOROLOGICAL SERVICE  
 NATIONAL METEOROLOGICAL SERVICE

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 46 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH JUN  
 CLASS ALL WEATHER  
 CONDITION   
 PERIOD 1800-1800  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.7	.4	.1								4.0	4.2
NNE	1.1	1.3	1.1									3.6	5.7
NE	1.4	1.1	.7									3.3	4.6
ENE	.9	1.3	.7	.3								2.7	5.8
E	.6	1.1	.6	.3								2.6	5.8
ESE	1.7	.4	.9	.4								2.7	6.3
SE	.9	1.4	1.8	.4								2.5	6.3
SSE	2.3	7.7	9.8	1.3								21.1	6.7
S	3.4	11.7	5.7	.6	.3							21.6	5.8
SSW	1.7	3.1	2.4									7.1	5.5
SW		1.4	1.6	.7								3.7	8.1
WSW		.6	1.3	.3								2.1	8.1
W	1.7	2.0	.4	.3								3.7	5.0
WNW	.9	.9	.6	.7								3.3	6.5
NW	.7	.9	.9	.4								2.8	6.2
NNW	1.1	1.7	1.3	.4								4.5	5.9
VARBL													
CALM												5.7	
	18.8	38.5	30.4	6.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 700

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFMPC  
 WEATHER SERVICE, AFMPC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 MONTH JUN  
 STATION NAME ALL WEATHER CLASS 100-2300  
 CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0			.1								1.1	3.6
NNE	.6	1.1	.4									2.1	5.0
NE	1.0	1.5	.8									3.4	4.0
ENE	.7	.7	1.0	.1								2.5	5.8
E	.6	.7	2.0	.1								3.4	6.6
ESE	.1	.7	.6	.4								1.8	7.5
SE	.6	1.0	1.1	.3								3.0	6.7
SSE	2.0	4.0	2.8	.4								10.0	5.6
S	5.5	11.1	6.9	.3								24.6	5.3
SSW	3.7	3.8	4.1	1.0								12.6	5.9
SW	2.3	2.1	3.2	.7								3.3	6.0
WSW	.6	1.5	1.1	.4								3.9	6.0
W	1.3	2.1	.7	.1								4.2	4.0
WNW	1.0	1.8	.4	.4								3.7	5.7
NW	2.0	1.7	.4									4.1	4.0
NNW	.7	1.5	1.4	.3								4.2	6.2
VARBL													
CALM												7.2	
	24.6	36.4	27.0	4.8								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 711

AD-A116 097 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC(1)  
MAY 82  
UNCLASSIFIED USAFETAC/DS-82/029 S01-AD-E850 174 NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC (1)  
MAY 82

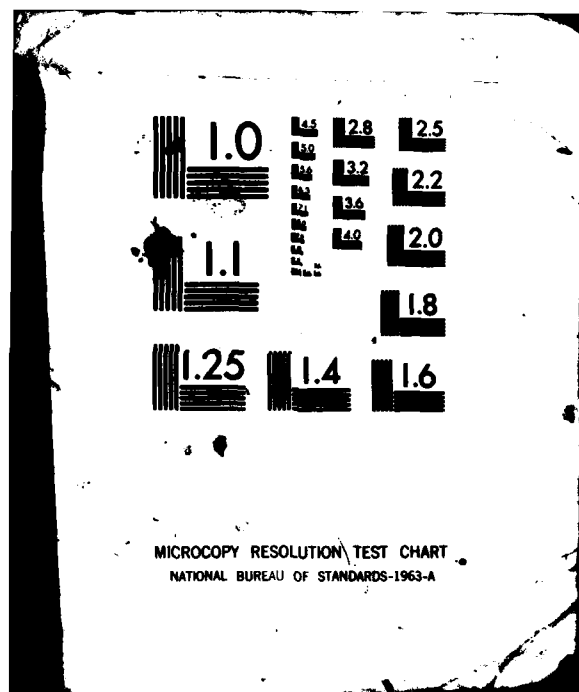
UNCLASSIFIED

USAFETAC/DS-82/029

501-AD-E850 174

NL

2.5





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.V.)

LOCATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	1.1	.2								4.0	5.6
NNE	.7	1.8	1.5	.2								4.2	6.0
NE	.8	1.8	1.0	.1								3.8	5.5
NNE	.5	1.1	.8	.1								2.5	5.8
E	.8	1.5	.8	.2								3.3	5.4
ESE	.7	1.7	1.1	.4								3.9	6.2
SE	.5	2.3	3.2	1.2								7.1	7.6
SSE	1.2	3.3	4.4	1.3	.0							10.2	7.1
S	2.8	4.8	3.7	.7	.0							12.0	5.8
SSW	1.3	2.3	2.8	.8	.0							7.2	6.8
SW	.9	2.2	3.9	1.3	.0							8.4	7.6
WSW	.5	1.8	2.4	.9								5.8	7.6
W	1.6	2.7	1.5	.3								6.0	5.4
WNW	1.3	2.5	1.1	.5	.1							5.4	6.0
NW	1.4	1.6	1.4	.9	.1							5.4	6.7
NNW	1.1	1.9	1.3	.4								4.7	5.8
VARB.													
CALM												6.1	
	17.0	35.2	31.9	9.5	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 5655

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.4	.3	.1	.1							1.8	5.8
NNE	.7	1.1	.3	.1								2.2	4.8
NE	.7	.8	.3									1.8	4.3
NNE	1.2	.5										1.8	2.9
E	.7	1.1	.8	.3								2.6	5.3
ESE	.3	1.1	.1	.3								1.8	5.9
SE	.4	.1	.4									1.0	5.3
SSE	1.8	1.2	.7	.1								3.8	4.6
S	5.5	6.0	1.8	.8	.1							13.9	4.7
SSW	2.3	3.7	3.6	.8								10.2	5.9
SW	2.1	5.2	6.7	.7								14.7	6.3
WSW	1.8	2.9	1.8	.8								7.0	5.7
W	2.2	4.8	1.5	.1								8.7	5.1
WNW	2.5	2.6	.8	.4								6.3	4.6
NW	1.9	2.5	.4									4.8	4.1
NNW	1.2	2.2	.8									4.3	4.7
VARIABLE													
CALM												13.5	
	26.1	36.4	19.9	3.8	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

ORIGINATOR

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.3									1.9	4.4
NNE	1.2	1.0	1.0	.7	.1							4.8	6.6
NE	1.1	1.1	1.1									3.3	5.3
NNE	1.2	.8	.1									2.2	3.8
E	1.1	.8	.4	.3								2.6	5.4
ESE	.4	.1	.1									.7	4.0
SE	.5		.3									.8	4.2
ESE	1.1	.8	.1									2.0	3.7
S	1.2	1.6	1.0	.8								4.9	4.9
SSW	2.2	2.2	2.6	1.4								8.3	6.7
SW	1.9	5.6	4.8	.7								12.9	6.3
WSW	2.0	5.3	1.6	.8								9.5	5.4
W	5.2	6.3	.5	.1								12.1	4.0
WWW	4.8	2.9	1.6									9.3	4.2
NW	3.1	2.3	1.2									6.7	4.9
NNW	2.3	2.2	.7									5.2	4.2
VARS													
CALM												12.9	
	10.7	14.7	17.8	4.1	.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 735

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724 J80  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	.8	.1								3.6	4.9
NNE	1.0	2.2	2.8	.3								6.2	6.5
NE	1.1	2.6	1.5	.1								5.4	5.4
NNE	.8	1.7	.3	.1								2.9	4.8
E	.8	.8	.7	.4								2.8	6.3
ESE	.6	.1	.1									.8	3.3
SE	.4	.6	.1									1.1	4.0
ESE	1.0	.6										1.5	3.5
S	1.8	2.1	1.0	.1								5.0	4.8
SEW	1.4	2.1	2.2	1.2	.1							7.0	7.5
SW	1.5	3.3	4.0	1.8								10.3	7.0
WSW	1.4	3.4	3.2	1.1								9.1	6.5
W	3.4	5.9	2.3	.3								12.0	4.8
WWW	4.3	4.7	1.4	.6								10.9	4.6
NW	1.9	4.4	1.7	.7								8.7	5.7
NNW	1.8	3.0	.4	.1								5.4	4.6
VARIABLE													
CALM												7.3	
	24.4	38.9	22.5	6.8	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

725

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.1	2.4	.4								7.3	6.0
NNE	1.5	4.6	2.6	.4								9.1	5.9
NE	.8	2.2	.4	.1								3.5	4.6
NNE	.7	2.0	.1									2.9	4.2
E	1.2	1.6	1.5	.1								4.5	5.5
ESE	1.4	3.8	1.5	.5								7.2	5.7
SE	1.0	2.4	2.3	.1								5.9	6.0
SSE	.4	.7	1.1	.1								2.3	6.8
S	.8	2.9	1.6	.4								5.7	6.1
SSW	.7	1.2	2.7	1.5								6.1	8.3
SW	.4	2.0	2.4	1.8	.1							6.8	8.5
WSW	1.0	1.4	2.2	1.1								6.3	7.3
W	1.2	3.7	1.6	.4								6.9	5.6
WNW	2.0	3.9	1.8	.1	.1							8.2	5.3
NW	2.0	3.1	2.0	1.2								8.4	6.2
NNW	1.5	2.2	1.0	.1								4.8	5.0
VARL													
CALM												4.1	
	14.0	91.0	28.0	8.7	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

735

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLAS

1200-1400  
HOURS (L.G.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	3.0	2.3	.4								7.1	5.8
NNE	1.4	3.7	2.5									7.5	5.7
NE	1.8	2.3	1.0									5.1	4.6
ENE	1.5	2.3										3.8	4.0
E	1.6	1.2	.4									3.3	4.2
ESE	1.9	5.6	3.0	.3								10.8	5.5
SE	.1	4.9	7.8	2.3								15.2	7.9
SSE	.5	3.7	2.6	1.2								8.1	7.1
S	.5	1.9	2.6	1.9								7.0	8.2
SSW	.5	1.5	1.9	.8								4.8	7.4
SW		.8	1.5	1.0								3.3	8.7
WSW	.4	1.1	2.9	.8								5.2	7.9
W	.3	1.9	2.1	.5								4.8	7.2
WNW	.5	.4	1.2	.8								3.0	7.6
NW	.7	2.1	1.2	.7								4.7	6.5
NNW	.8	1.6	1.8	.3								4.5	6.2
VARBL													
CALM												1.8	
	14.1	38.2	34.8	11.1								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
TIME PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.1	1.8	.1								6.0	5.5
NNE	1.8	3.6	2.5									7.8	5.2
NE	.5	1.9	.7									3.1	5.0
NNE	.8	1.0	.3									2.1	4.3
E	1.0	1.4	.8									3.1	5.1
ESE	1.4	4.5	1.6	.4								7.9	5.8
SE	1.4	5.7	8.3	2.3	.3							18.1	7.7
SSE	1.1	4.0	8.9	3.3								17.2	8.2
S	.7	2.6	2.6	.8								6.7	6.9
SSW		1.1	1.8	.7	.1							3.7	8.7
SW	.3	1.2	2.2	.7		.1						4.5	8.3
WSW	.1	1.2	1.5	.3	.3							3.4	8.2
W		1.6	3.3	.4								5.3	7.7
WNW	.1	1.1	2.1	.5								3.8	7.8
NW	.7	.7	1.1	.5								3.0	7.1
NNW	.4	1.2	1.0		.1							2.7	6.6
VARIABLE													
CALM												1.4	
	11.2	36.0	40.4	10.1	.8	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

731

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	2.6	1.7	1.0	.4	.1							5.8	5.4
NNE	1.4	1.4	1.0									3.7	4.7
NE	.7	.1	.1	.1								1.1	5.1
NNE	.4	.3	.3	.1								1.1	5.1
E	.7	1.8	.1	.1								2.8	4.7
ESE	.7	1.1	.8									2.6	5.4
SE	1.4	2.9	1.0	.1								5.4	5.2
SSE	2.8	7.2	5.5	1.5								16.9	6.3
S	5.9	11.6	4.4	.3								22.1	4.9
SSW	1.5	3.6	1.5	.6								7.2	5.7
SW	.4	2.2	.8	.4	.1							4.0	6.7
WSW	.4	1.7	1.2	.6								3.9	6.6
W	.3	1.4	.7	.3	.1							2.8	6.6
WNW	.3	1.5	1.4	.1		.1						3.4	7.0
NW	2.1	1.0	.8	.1								4.0	4.6
NNW	1.2	1.2	.3	.3	.1							3.2	5.4
VARBL	...	...	...	...	...								
CALM												10.2	
	22.7	40.4	20.9	5.1	.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

727



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-8U  
YEAR

JUL  
MONTH

ALL WEATHER  
CLAS

2100-2300  
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5		.4								2.2	4.9
NNE	.8	1.2	.1	.1								2.3	4.9
NE	.5	.5	.1									1.2	4.2
ENE	.4	1.0										1.4	4.2
E	.7	.7	.5	.1								2.1	5.1
ESE	.7	1.4	.7	.3								3.0	6.0
SE	.3	.4	1.1	.3								2.1	7.6
SSE	1.2	2.2	1.4	.3	.3							5.3	6.4
S	7.3	11.9	2.5	1.0								22.6	4.7
SSW	2.2	6.0	3.3	.4								11.9	5.6
SW	2.7	5.2	1.8	1.0								10.7	5.5
WSW	1.6	2.5	.3									4.4	3.9
W	1.1	2.3	.7									4.1	5.0
WNW	1.1	2.1	1.4									4.5	5.2
NW	1.6	.5	.4	.1								2.7	4.5
NNW	.8	1.5	.8	.3								3.4	5.3
VARBL													
CALM												16.0	
	24.8	40.0	15.1	4.2	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

730

2169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.8	1.1	.3	.0							4.5	5.5
NNE	1.2	2.4	1.6	.2	.0							5.5	5.7
NE	.9	1.5	.7	.1								3.1	4.9
NNE	.9	1.2	.1	.0								2.3	4.2
E	1.0	1.2	.6	.2								3.0	5.2
ESE	.9	2.2	1.0	.2								4.4	5.6
SE	.7	2.1	2.7	.7	.0							6.2	7.1
SSE	1.2	2.5	2.5	.8	.0							7.2	6.7
S	3.0	5.1	2.2	.7	.0							11.0	5.3
SSW	1.4	2.7	2.4	.9	.0							7.4	6.7
SW	1.2	3.2	3.0	1.0	.0	.0						8.4	6.8
WSW	1.1	2.4	1.9	.6	.0							6.1	6.3
W	1.7	3.5	1.6	.3	.0							7.1	5.4
WWW	2.0	2.4	1.5	.3	.0	.0						6.2	5.3
NW	1.8	2.1	1.1	.4								5.4	5.4
NNW	1.3	1.9	.8	.1	.0							4.2	5.1
VARIABLE													
CALM												8.4	
	21.5	38.2	24.9	6.7	.3	.0						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 5891

JOINT CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-040  
STATION

PATIENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.3									1.5	4.1
NNE	.4	.7	.3									1.4	4.6
NE	1.2	.8	.3	.3								2.6	4.8
NNE	1.1	1.9	.5	.1								3.7	4.9
E	1.9	1.4	.7									4.0	4.2
ESE	.4	.3	.5	.1								1.4	6.1
SE	1.0	.8	.1									1.9	4.1
SSE	1.2	1.0	.7	.1								3.0	5.0
S	5.5	6.0	.5	.4								12.5	4.1
SSW	1.9	5.2	3.7	1.2								12.1	6.2
SW	2.3	6.2	3.7	1.9								14.1	6.5
WSW	1.5	1.6	1.5	.4								5.1	5.6
W	4.7	3.2	1.1	.1								9.1	3.9
WNW	3.2	2.6										5.8	3.5
NW	1.8	1.2	1.2									4.3	4.9
NNW	2.7	1.6	1.5	.1								6.0	4.7
VARBL													
CALM												11.7	
	31.7	35.0	16.7	4.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

726040 PATUXENT RIVER NAS MD

73-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	.6	.4								2.5	5.7
NNE	1.0	1.0	.7	.3	.1							3.0	6.5
NE	.8	1.1	.8	.1								2.9	5.6
ENE	.7	1.5	.6	.3								3.0	5.3
E	1.0	1.1	.4	.1								2.6	4.9
ESE	.1	.3	.4	.3								1.1	7.9
SE	.7	.3										1.0	3.3
SSE	.8	.1										1.0	2.7
S	2.9	2.5	.7	.3								6.3	4.2
SSW	2.9	3.9	2.6	.8								10.2	5.5
SW	2.9	4.3	5.2	.7								13.1	6.2
WSW	2.2	4.0	1.4	.4								8.0	5.4
W	5.0	5.8	.8									11.6	3.9
WNW	2.9	3.6	.4									6.9	4.2
NW	2.3	1.5	.8									4.7	4.1
NNW	3.3	2.6	1.2	.1								7.3	4.5
VARBL													
CALM												14.9	
	30.6	33.9	16.7	3.9	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

726

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	.4	.1								2.9	4.6
NNE	.6	2.1	.4	.3								3.3	5.6
NE	.4	2.4	1.8	.1								4.7	5.9
NNE	.6	2.2	1.1	.1								4.0	5.9
E	.8	1.4	.7	.3								3.2	5.7
ESE	.3	.4	.6									1.3	6.4
SE		.4	.4									.8	6.7
SSE	1.1	.4	.1									1.7	3.2
S	1.7	2.1	1.0	.3								5.0	5.0
SSW	2.6	2.5	2.2	1.3								8.6	6.2
SW	1.7	4.6	4.5	.8								11.6	6.5
WSW	1.8	5.0	4.5	.1								11.4	5.9
W	4.2	7.1	.4									11.7	4.0
WNW	2.2	3.8	.4									6.4	4.1
NW	1.5	4.3	2.4									8.2	5.2
NNW	2.4	1.8	1.8									6.0	5.0
VARBL													
CALM												9.1	
	23.3	41.5	22.7	3.5								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	5.3	2.6	.1								11.2	5.1
NNE	1.6	4.9	1.1	.1								7.8	5.0
NE	1.0	1.6	1.0	.4								4.0	5.9
ENE	1.0	2.0	1.4	.1								4.5	5.5
E	.8	2.7	.4	.3								4.2	5.4
ESE	1.0	2.2	1.4									4.5	5.3
SE	1.0	1.6	1.0	.7								4.2	6.3
SSE	.4	1.1	1.2									2.7	5.8
S	.8	1.1	2.0	.7								4.6	7.1
SSW	.4	2.2	2.0	1.8								6.4	8.1
SW	1.0	2.7	4.6	1.2								9.5	7.5
WSW	.7	2.7	3.1	1.2								7.8	7.1
W	2.6	3.1	2.9	.3								8.9	5.5
WNW	2.6	2.9	1.0									6.4	4.3
NW	1.8	2.7	1.0	.1								5.6	5.0
NNW	1.5	2.3	1.6	.1								5.6	5.4
VARB.													
CALM												2.2	
	21.1	41.5	28.2	7.2								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
PERIOD (L.G.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	4.0	1.8									8.1	4.9
NNE	1.2	5.4	1.7	.6								8.8	5.7
NE	1.5	2.6	.4	.1								4.7	4.5
NNE	1.7	3.0	.7		.1							5.5	4.9
E	1.1	3.0	.6	.6								5.2	5.7
ESE	1.1	3.3	1.5	.6								6.5	5.7
SE	.8	5.1	4.4	2.8								13.1	7.8
ESE	.3	1.7	3.4	2.2	.1							7.7	9.0
S	.7	1.8	2.3	.7								5.5	7.2
SSW	.4	1.0	3.2	1.1								5.6	8.3
SW	.3	.4	1.9	1.4								4.0	9.4
WSW	.4	1.8	2.3	.8								5.4	7.7
W	1.5	1.7	1.9	.1								5.2	5.7
WNW	.6	2.6	1.7									4.8	5.9
NW	.6	1.7	1.2	.7								4.1	7.0
NNW	1.1	1.5	1.0	.1								3.7	5.4
VARBL													
CALM												2.1	
	15.5	44.9	50.0	11.7	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

727

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER

1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	4.3	.7	.1	.1							7.6	4.7
NNE	1.5	3.6	1.0	.3								6.3	5.0
NE	1.1	2.5	.3									3.9	4.4
NNE	1.2	.7	.4									2.3	4.2
E	2.2	3.2	.8	.6								6.7	5.1
ESE	1.6	2.6	1.2	.4								6.1	5.3
SE	1.2	5.1	5.0	3.0								14.3	7.7
SSE	.8	5.1	5.6	3.9	.3							15.7	8.3
S	1.1	3.2	2.6	1.0								7.9	6.8
SSW	.3	1.0	1.7	.7								3.6	7.8
SW	.1	1.4	2.3	.4								4.3	7.3
WSW	.3	1.7	1.1	.4	.1							3.6	7.2
W	.4	2.1	1.0	.3	.1							3.9	6.7
WNW	.3	1.2	1.5	.3								3.3	6.8
NW	.8	1.7	.8	.4								3.7	6.2
NNW	2.1	1.9	.7									4.7	4.4
VARB.													
CALM												2.2	
	17.6	41.0	26.7	11.7	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

726



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724640  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.4	1.0									4.7	9.2
NNE	1.7	.6		.1								2.3	3.4
NE	.3	.6	.3	.4								1.5	7.2
NNE	.7	.1	1.0									1.8	6.1
E	1.0	2.3	.8	.1								4.3	5.2
ESE	1.5	1.4	.6									3.5	4.2
SE	.7	2.9	1.2	.6								5.4	6.3
SSE	2.5	4.1	3.0	.8								10.5	6.0
S	7.6	12.8	5.5	.4								26.4	5.0
SSW	1.5	3.9	2.2	.3								7.9	5.4
SW	1.8	2.2	.7	.3								5.0	6.9
WSW	1.1	1.7	.1									2.9	9.2
W	.6	2.2	.8	.1								3.7	5.4
WWW	1.1	.6	.4									2.1	9.3
NW	1.4	1.1	.3									2.8	4.0
NNW	2.8	1.8	.7	.1								5.4	6.3
VARIABLE													
CALM												9.9	
	28.5	19.6	18.8	1.1								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

724

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.O.T.)

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	.3	.1								1.8	4.9
NNE	.7	.4	.1									1.2	4.0
NE	.7	.3	.5									1.5	5.0
NNE	.4	1.0	1.1	.1								2.6	6.5
E	.4	3.1	1.0	.3								4.8	5.4
ESE	.1	1.4	.7	.1								2.3	5.9
SE	.8	1.4	1.5	.5								4.2	6.2
SSE	1.1	3.1		.3								4.5	4.8
S	0.7	9.0	3.3									21.0	4.3
SSW	3.9	6.5	4.1									14.6	5.3
SW	3.1	4.1	1.9	.3								9.4	4.9
WSW	1.8	1.5	.6	.3								4.4	4.9
W	1.6	1.4	1.8									4.8	5.1
WWW	1.5	1.0	.4									2.9	4.1
NW	1.8	1.0	1.0									3.7	4.7
NNW	2.3	1.6	.8	.1								4.9	4.4
VARIABLE													
CALM												11.7	
	29.5	37.4	19.2	2.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

735

GLOBAL CLIMATOLOGY BRANCH  
NOAA/ETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724 J80  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.V.)

DESCRIPTION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.2	.9	.1	.0							5.0	4.8
NNE	1.1	2.3	.7	.2	.0							4.3	5.2
NE	.9	1.5	.7	.2								3.2	5.3
NNE	.9	1.6	.8	.1	.0							3.4	5.4
E	1.2	2.3	.7	.3								4.4	5.2
ESE	.8	1.5	.9	.2								3.3	5.5
SE	.8	2.2	1.7	.9								5.6	7.0
SSE	1.0	2.1	1.8	.9	.1							5.8	6.9
S	3.6	4.8	2.3	.5								11.2	5.1
SSW	1.9	3.3	2.7	.9								8.6	6.2
SW	1.6	3.2	3.1	.9								8.9	6.4
WSW	1.2	2.5	1.9	.5	.0							6.0	6.1
W	2.6	3.3	1.3	.1	.0							7.3	4.7
WNW	1.8	2.3	.7	.0								4.8	4.5
NW	1.5	1.9	1.1	.2								4.6	5.1
NNW	2.3	1.9	1.2	.1								5.4	4.8
VARBL													
CALM												8.0	
	28.7	18.8	22.8	6.0	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

5819

## SURFACE WINDS

724040  
STATION

PATUXENT RIVER NAS MD

**73-80**

SEP  
CONT

ALL WEATHER  
CLUB

0000-0200

**CONTINUED**

[illegible]

TOTAL NUMBER OF OBSERVATIONS 698

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724040  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
PERIOD (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.7	.6	.1								2.0	5.7
NNE	.4	1.8	2.8	.7								5.8	7.4
NE	1.4	2.4	1.6	.6								5.9	5.9
NNE	2.0	2.4	1.6									5.9	5.0
E	1.1	1.4	2.0	.3								4.8	6.2
ESE	.4	1.3	.8									2.5	6.1
SE	.6	1.1	1.0	.4								3.1	6.7
SSE	.7	1.4	.1	.9								2.7	5.4
S	2.8	2.3	.1	.6								5.8	4.5
SSW	1.6	1.7	1.1	.7	.3							5.4	6.9
SW	2.4	2.8	2.4	.1	.1							7.9	5.5
WSW	1.7	1.8	1.7	.1								5.4	5.3
W	4.5	3.5	.6									8.6	3.8
WWW	2.7	1.8	.6	.1								5.2	4.0
W	3.3	3.1	1.7	.6								8.6	5.0
WNW	2.7	3.1	1.4	.1								7.4	4.9
W													
CALM												12.9	
	28.9	12.8	20.1	5.0	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

707

2175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.1	1.3									4.0	5.2
NNE	.3	3.3	2.1	.3								6.0	6.7
NE	.6	4.3	2.4	.7								8.0	6.5
NNE	1.7	4.1	1.6									7.4	5.0
E	1.0	1.9	1.9									4.7	6.2
ESE		1.0	.4	.1								1.6	6.4
SE		.9	.9	.6								2.3	8.1
ESE	.4	.6	.1	.6								1.7	7.7
S	2.9	1.7	1.4	.6	.1							6.7	5.4
SSW	2.1	2.4	1.6	.6	.1							6.8	5.8
SW	2.0	2.6	2.0	.7	.1		.1					7.6	6.6
WSW	1.9	2.6	1.6									6.0	5.1
W	3.9	3.3	1.4		.1							8.7	4.3
WNW	3.1	3.3	.9	.1								7.4	4.3
NW	2.6	1.4	2.4	.6								7.0	5.6
NNW	1.7	2.4	2.0	.1	.1							6.4	5.7
VARIABLE													
CALM												7.7	
	25.7	36.8	24.0	5.0	.7		.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

701

USAF CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS SEP MONTH  
3900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.4	2.9	.3								8.9	6.0
NNE	1.4	4.1	2.3	.6								8.4	5.8
NE	1.3	4.1	1.9	.6								7.9	5.9
NNE	1.1	2.6	2.3	.3								6.3	5.9
E	1.4	5.1	2.0	.3								8.9	5.6
ESE	1.3	2.4	.6	.6								4.9	5.6
SE	.4	2.3	1.1	.7								4.6	7.3
SSE		1.0	1.1									2.1	6.8
S	1.0	1.1	2.3	.9								5.3	7.2
SSW	.7	2.1	2.4	1.4								6.7	7.6
SW	.6	3.1	2.1	.7	.1							6.7	7.0
WSW	.7	2.4	1.7	.1	.3							5.3	6.6
W	.9	2.3	1.6	.3								5.0	5.9
WNW	1.3	3.0	1.6	.4								6.3	5.8
NW	.6	3.0	2.4	.4								6.4	6.5
NNW	.6	2.1	1.9	.4								5.0	6.6
VARBL													
CALM												1.4	
	14.6	45.4	30.1	8.0	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 700

2176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.2	3.4	.1								6.7	6.3
NNE	1.7	5.3	3.2	.3								10.5	5.8
NE	1.0	2.1	1.5									4.6	5.7
ENE	1.1	2.2	1.4	.1								4.9	5.4
E	1.0	3.4	.6	.8	.3	.1						6.2	6.9
ESE	.3	4.4	2.8									7.4	5.9
SE	1.4	3.9	4.5	1.5	.1							11.5	7.4
SSE	1.0	3.7	3.8	2.1	.1							10.7	7.7
S	.7	1.3	1.3	1.1								4.4	8.1
SSW	1.0	1.4	2.4	1.4								6.2	7.9
SW	.3	.8	.7	.8	.1							2.8	8.6
WSW		1.4	.7	.3								2.4	6.8
W	1.0	2.2	.7	.6								4.5	6.1
WNW	.8	1.3	1.5	.4	.1							4.2	6.7
NW	.6	1.3	2.0	.4	.1							4.4	7.2
NNW	.8	2.9	1.7	.1	.3							5.9	6.3
VARBL												.7	
CALM													
	13.6	41.9	32.2	10.3	1.3	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

712



AL CLIMATOLOGY SEARCH  
 AFSTAC  
 WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAUXENT RIVER NAS MD YEARS 73-80 MONTH SEP  
 ALL WEATHER  
 CLAS  
 CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	2.4									7.4	5.0
NNE	2.4	5.1	1.8	.1								9.5	5.1
NE	1.4	2.3	.7									4.4	4.6
NNE	1.0	2.0	1.7	1.0		.1						5.8	7.3
E	1.3	1.4	1.1	.3		.1						4.7	6.2
ESE	.7	2.7	1.3	.1								4.8	5.5
SE	1.0	3.6	5.3	1.7	.3	.1						11.9	7.9
SSE	1.1	5.5	7.3	2.1								16.1	7.4
S	1.1	2.8	2.8	.9								7.7	6.6
SSW	.6	1.1	1.3	.9	.1							4.0	7.8
SW	.1	.9	.7	.1								1.8	6.1
WSW	.3	2.0	.7	.1								3.1	6.0
W	.7	1.3	1.4	.1								3.6	5.9
WNW	.7	1.0	1.4	.6								3.7	6.8
NW	1.3	1.6	1.3	.4								4.6	5.9
NNW	.4	1.3	1.0	.7								3.4	7.3
VARS													
CALM												3.4	
	15.6	57.6	32.3	9.2	.4	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 703

2137

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 PATUXENT RIVER NAS MD YEARS 73-80 SEP MONTH 1800-2000 HOUR (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.4	.6									4.0	4.0
NNE	1.8	2.0	1.0	.1								5.0	4.8
NE	.7	1.6	1.7	.6								4.5	6.7
ENE	.7	.8	2.0	.6								4.1	7.2
E	.7	1.4	2.3									4.4	5.9
ESE	.6	1.0	1.8	.3	.1							3.8	7.6
SE	.4	1.4	.8	.1								2.8	6.3
SSE	2.8	4.8	1.0	1.0								9.6	5.4
S	9.8	9.8	2.8	.4								21.8	4.5
SSW	1.7	1.6	1.3	.3								4.9	5.0
SW	1.1	1.6	.4									3.1	4.5
WSW	1.1	.4	.1									2.1	4.0
W	.8	1.6	.3									2.7	4.3
WNW	1.0	1.3	.7									3.3	4.9
NW	1.4	1.0	.7	.6								3.7	5.5
NNW	2.0	2.3	1.7	.4								6.4	5.2
VARBL													
CALM												14.2	
	27.8	34.3	19.3	4.4	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 706

U.S. AIR FORCE  
 CLIMATE BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-040 PATUXENT RIVER NAS MD 73-80 SEP  
 STATION NAME ALL WEATHER 2100-2300  
 CLASS NOON (L.S.T.)  
 CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.8	.1								3.6	6.4
NNE	.7	1.0	1.6	.4								3.7	6.7
NE	.7	2.0	1.4	.9								5.0	6.9
ENE	.9	1.1	1.4	.3								3.7	6.3
E	1.0	2.6	2.4									6.0	6.0
ESE	1.0	.7	4.1									5.8	6.9
SE	.4	1.3	.7	.3								2.7	6.2
SSE	1.7	1.8	.9	.6								5.1	5.8
S	4.4	7.0	2.1	.6								14.1	4.8
SSW	3.6	4.1	2.1	.6								10.4	5.1
SW	2.4	2.8	1.6	.1								7.0	4.9
WSW	2.1	2.0	1.1	.1								5.4	4.8
W	1.6	1.1	.3	.1								3.1	4.1
WNW	1.8	.9	.7	.3								3.7	4.8
NW	1.3	2.0	.9	.3								4.4	5.4
NNW	2.3	1.7	.7	.3	.3							5.3	5.3
VARBL													
CALM												11.2	
	46.3	33.2	23.9	5.0	.3	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 704

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION PATUXENT RIVER NAS MD YEAR 73-80 MONTH SEP  
STATION NAME ALL WEATHER CLASS ALL  
CONDITION NOON (L.G.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	1.7	.1								5.1	5.7
NNE	1.2	3.1	2.1	.4								6.7	6.0
NE	1.0	2.6	1.6	.5	.0							5.8	6.1
ENE	1.2	2.1	1.8	.3		.0						5.3	5.9
E	1.0	2.3	1.7	.3	.0	.0						5.4	6.1
ESE	.6	1.9	1.6	.1	.0							4.3	6.2
SE	.6	2.0	1.9	.7	.1	.0						5.3	7.3
SSE	1.2	2.6	1.8	.9	.0	.0						6.6	6.6
S	3.2	3.6	1.7	.7	.1							9.3	5.4
SSW	1.8	2.1	1.8	.8	.1							6.6	6.2
SW	1.3	2.3	1.7	.4	.1		.0					5.7	6.0
WSW	1.2	1.9	1.2	.1	.0							4.4	5.4
W	2.1	2.2	.9	.2	.0							5.4	4.6
WNW	1.7	1.7	1.0	.3	.0							4.8	5.3
NW	1.5	2.0	1.6	.4	.0							5.6	5.7
NNW	1.6	2.3	1.5	.3	.1							5.7	5.6
VARBL													
CALM												3.1	
	22.4	36.9	25.4	6.5	.6	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 5631

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAUXENT RIVER NAS MD DATE 73-80 TIME 0000-0200  
 ALL WEATHER  
 CLAS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	2.6	.5								5.0	6.8
NNE	1.2	2.3	1.9	.7								6.1	6.4
NE	1.0	1.9	.5									3.4	4.6
NNE	.7	1.9	1.2	.3								4.1	5.9
E	.5	1.0	1.0	.4								2.9	6.5
ESE	1.0	.7	1.0	.3								2.9	5.7
SE	.7	.5	.3	.4								1.9	6.3
SSE	.3	.7	.8	.3								2.0	7.1
S	2.0	1.9	2.0									6.0	5.1
SSW	2.6	3.3	1.9	1.0								8.7	5.7
SW	3.1	1.6	1.9	.7								7.4	5.4
WSW	1.9	1.6	1.4	.4								5.3	5.3
W	1.4	2.9	2.9	.3	.3							7.6	6.4
WNW	1.2	3.3	1.6	1.5								7.6	6.8
NW	1.5	3.0	2.3	.3		.1						7.2	6.2
NNW	1.8	1.9	3.3	.7								7.6	6.6
VARB													
CALM												14.1	
	21.8	29.5	26.6	7.6	.3	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

121040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-84  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

SPEED (KNTS) DRL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.0	1.0								5.7	7.9
NNE	1.0	3.0	1.9	1.0								6.8	6.7
NE	.7	1.6	2.0	.1								4.5	6.5
NNE	.4	1.8	1.2									3.4	5.6
E	.8	1.8	.5	.3								3.4	5.4
ESE	.7	.4	.1	.4								1.6	6.2
SE	.4	.1	.3	.1								1.0	5.9
SSE	1.0	.4	.4	.3								2.0	5.3
S	1.5	1.2	1.6	.6								5.2	6.4
SSW	2.0	2.6	1.9	.5								7.1	5.5
SW	1.6	4.1	1.9	.7								6.3	5.8
WSW	1.9	1.6	1.1	.4								5.0	5.1
W	2.4	4.1	1.6	.7	.1							9.0	5.8
WNW	2.3	2.6	2.4	.8								8.2	6.0
NW	1.6	3.0	1.8	.7								7.1	6.0
NNW	1.5	4.3	2.6	.4								8.8	5.6
VARA													
CALM												13.0	
	20.0	34.2	24.5	8.2	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

736

LOCAL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72140 PATUXENT RIVER NAS MD 73-80 OC1  
STATION NAME ALL WEATHER CLASS 0600-0600  
CONDITION 0600 (L.S.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.3	1.9	1.0								6.0	6.9
NNE	.5	1.5	2.3	.8								5.2	7.4
NE	.7	1.5	2.3	.8								5.3	7.4
NNE	.8	1.2	1.2	.4								3.7	6.2
E	.8	1.5	1.0	.1								3.4	5.8
ESE	.1	.4	.3	.1								1.0	7.1
SE	.3		.5									.8	5.7
SSE	.8	1.5	.5	.3								3.2	5.5
S	.7	1.1	1.8	.3								3.8	6.8
SSW	1.8	1.5	1.5	.7								5.5	6.0
SW	1.4	3.0	1.6	1.0								7.0	6.3
WSW	1.2	2.2	1.5	.1								5.1	5.3
W	3.4	4.3	2.6	1.0								11.2	5.7
WNW	1.8	2.5	2.7	1.1								8.1	6.5
NW	2.5	3.6	2.1	.8								8.9	5.8
NNW	1.5	4.4	3.6	1.2								10.7	6.5
VARIABLE													
CALM												11.0	
	19.2	32.5	27.6	9.7								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 729

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

73-80  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-80

OCT

ALL WEATHER

0900-1100  
 GROUP (L.E.V.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.5	3.1	1.4								9.1	7.1
NNE	1.1	4.0	3.0	1.2								9.3	6.7
NE	.8	2.2	.8	.8								4.4	6.3
NNE	.5	1.5	1.5	.4								4.0	6.7
E	.1	2.0	1.5	.7								4.4	7.1
ESE	.4	1.4	.7	.3								2.7	6.1
SE	.7	1.1	.8									2.6	5.3
SSE	.8	.8	1.0	.4								3.0	6.7
S	1.0	.4	1.2	.7								3.3	7.2
SSW	.5	1.9	1.6	1.1								5.2	7.4
SW	.5	1.5	2.0	2.3	.3							6.7	8.8
WSW	1.4	2.6	3.5	1.4								8.9	7.2
W	1.5	2.2	4.0	.5	.1							8.3	6.8
WWW	.7	2.0	2.5	2.9	.3							8.3	9.1
NW	.4	1.6	4.1	2.5	.1							8.7	9.1
NNW	.7	3.3	3.7	1.4	.1							9.1	7.7
VARIABLE													
CALM												2.0	
	12.3	32.1	35.1	17.6	1.0							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

733



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724040 STATION PATUXENT RIVER NAS MD 73-80 YEAR OCT MONTH  
ALL WEATHER CLASSED  
1200-1400 HOURS (L.E.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	5.0	3.4	1.0								10.3	6.5
NNE	.6	3.3	2.3	.4								6.6	6.5
NE	.3	2.3	1.9	.6								5.1	6.9
NNE	.4	1.5	.4	.3								2.6	5.6
E	1.8	2.3	1.0									5.1	4.7
ESE	.7	3.7	1.4	.4								6.2	6.0
SE	.6	4.1	2.5	.6								7.7	6.6
SSE	.4	1.2	1.8	.8	.1							4.4	7.8
S	.6	1.4	1.2	1.1	.1							4.4	8.3
SSW		1.1	2.3	1.1								4.7	8.5
SW	.1	.6	1.5	1.7	.1							4.0	10.3
WSW	.1	1.1	3.6	1.8	.1							6.7	9.3
W	.6	2.3	2.9	1.0	.3							6.6	7.9
WWW	.4	1.9	3.6	2.1	.3							8.3	8.9
NW	.6	1.1	4.3	2.4	.1							8.7	9.3
NNW	.7	1.9	3.6	.8	.3							7.3	8.0
VARB.													
CALM												1.2	
	8.7	15.0	37.5	16.1	1.5							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 726

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

174040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	4.1	3.0	.4								10.0	5.5
NNE	1.0	2.6	1.6	.5								5.7	6.2
NE	.3	2.0	.5	.1	.1							3.1	6.2
NNE	.7	.4	.4	.1								1.6	5.5
E	.7	.7	1.0	.4								2.7	6.5
ESE	1.8	2.0	1.0	.3	.1							5.2	5.5
SE	.8	3.8	3.0	1.0								8.6	6.7
SSE	1.8	4.4	3.3	1.6								11.1	6.7
S	1.5	2.7	2.0	.8								7.1	6.0
SSW	.3	1.6	1.0	.4	.1	.1						3.5	8.0
SW	1.0	1.0	1.5	.7	.1							4.2	7.4
WSW	.1	1.2	1.2	.7	.1							3.4	8.3
W	.4	2.3	2.6	.8	.3	.1						6.5	8.0
WNW	.5	2.5	2.6	1.5	.5							7.6	8.5
NW	1.8	1.5	3.0	2.3								8.6	7.8
NNW	1.0	2.5	2.9	1.0								7.2	7.0
VARBL													
CALM												3.7	
	16.0	35.3	30.6	12.7	1.5	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

733

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

120040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.9	2.1	.9								7.7	5.3
NNE	1.1	1.9	.8									3.3	4.8
NE	1.0	1.1	1.1	.3								3.4	5.6
NNE	.4	1.1	.5									2.1	5.4
E	.8	1.1	1.5	.8								4.3	6.7
ESE	.5	.8	.4	.5								2.3	6.7
SE	.8	.7	.7	.1								2.3	5.8
SSE	2.5	2.7	1.1	.1								6.5	4.7
S	5.2	7.1	1.8									14.1	4.4
SSW	3.0	3.0	1.2	.5								7.8	5.1
SW	2.1	2.2	.7									4.9	4.2
WSW	.7	1.4										2.1	3.5
W	1.4	1.4	2.5	.4	.1	.1						5.9	7.0
WW	.4	1.5	1.4	.8	.1							4.3	7.6
WNW	1.4	1.1	1.9	1.5								5.9	7.7
NNW	2.6	2.5	2.7	.8								8.7	5.9
VARIABLE													
CALM												14.4	
	26.2	42.0	20.5	6.5	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

728

2182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125000  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.4	2.5	1.0	.7								5.1	5.8
NNE	1.2	1.1	1.8	.5								4.7	6.2
NE	1.1	1.5	1.1	.4								4.1	5.8
NNE	.7	.5	.5	.1								1.9	5.2
E	.4	2.5	1.6	.1								4.7	6.0
ESE	.4	1.0	.7	.1								2.2	6.0
SE	.4	1.4	.8	.3								2.9	6.2
SSE	1.8	1.4	.5	.1								3.8	4.5
S	3.2	4.3	2.6									10.0	4.8
SSW	2.3	3.2	2.1	.5								8.1	5.7
SW	1.9	3.2	2.3	.7								8.1	5.9
WSW	.8	1.2	1.1	.1								3.3	5.6
W	1.4	2.2	1.5	.4	.4							5.9	6.7
WNW	1.2	1.1	1.5	.5								4.4	6.3
NW	2.1	1.6	1.4	1.2								6.3	6.0
NNW	.5	4.1	3.8	.5								9.1	6.7
VARB													
CALM												15.0	
	20.9	32.7	24.5	6.6	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

728

U.S. AIR FORCE  
 CLIMATE DIVISION  
 WASHINGTON, D.C.

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 14040 PATUXENT RIVER NAS MD 73-80 OC1  
STATION NAME YEARS MONTHS  
ALL WEATHER  
CLASS  
ALL  
SEAS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.9	2.5	.8								7.4	6.4
NNE	1.0	2.4	2.0	.7								6.0	6.5
NE	.7	1.8	1.3	.4	.0							4.2	6.3
NNE	.6	1.2	.9	.2								2.9	5.9
E	.8	1.6	1.1	.4								3.8	6.0
ESE	.7	1.3	.7	.3	.0							3.0	6.0
SE	.6	1.5	1.1	.3								3.5	6.3
SSE	1.2	1.6	1.2	.5	.0							4.5	6.1
S	2.0	2.5	1.8	.5	.0							6.7	5.6
SSW	1.6	2.3	1.7	.7	.0	.0						6.3	6.2
SW	1.5	2.1	1.7	1.0	.1							6.3	6.5
WSW	1.0	1.6	1.7	.6	.0							5.0	6.6
W	1.6	2.7	2.5	.6	.2	.0						7.6	6.6
WNW	1.1	2.2	2.3	1.9	.2							7.1	7.5
NW	1.5	2.1	2.6	1.9	.0	.0						7.7	7.3
NNW	1.3	3.1	3.3	.9	.1							8.6	6.7
VARIABLE													
CALM												9.3	
	18.1	32.9	28.3	10.6	.6	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 5896

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 72140 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 MONTH NOV

ALL WEATHER

CLASS 0000-0200

CONDITION 0000 (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.4	2.5	.3								6.0	6.4
NNE	.3	1.7	2.1	.6								4.6	6.8
NE	.7	2.9	1.4									5.0	5.7
ENE	.3	1.1	1.4									2.8	6.5
E	.1	.7	.4	.1								1.4	5.9
ESE	.1	.6	.6									1.3	6.1
SE	.4	.7	.3	.3								1.7	6.0
SSE	1.1	.7	1.0									2.8	4.9
S	1.0	1.8	1.8	.8								5.5	6.9
SSW	.7	2.1	2.5	1.5								6.9	7.8
SW	.8	1.8	2.4	2.2								7.3	8.1
WSW	1.3	1.3	2.1	1.7	.1							6.5	7.9
W	3.2	3.2	2.1	.7								9.3	5.3
WNW	1.5	2.2	2.9	1.0								7.7	6.6
NW	1.7	3.5	2.7	1.7								9.5	7.1
NNW	1.0	3.4	4.1	1.5								10.0	7.3
VARBL													
CALM												11.8	
	15.1	30.2	30.3	12.5	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 713

CLIMATE CLIMATOLOGY BRANCH  
 AFM-1AC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION PAUXENT RIVER NAS MD STATION NAME PAUXENT RIVER NAS MD YEARS 73-80 NGV 0300-0500  
 ALL WEATHER CLASS 0300-0500  
 CONDITION 0300-0500

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.5	2.0	.4								5.6	6.5
NNE	1.0	2.8	2.7	.1								6.6	6.0
NE	1.0	1.3	1.6	.1								3.9	5.9
ENE	.4	1.1	1.1	.1								2.8	6.1
E	.7	1.1	.3									2.1	4.0
ESE		.6	.7									1.3	6.8
SE	.3	.7	.6									1.6	5.5
SSE	.5	1.4	.6									2.3	5.6
S	1.1	1.6	1.6	.4								4.7	5.8
SSW	.7	2.4	1.3	1.1								5.5	7.2
SW	1.4	2.1	2.3	1.8								7.6	7.2
WSW	.9	1.7	1.8	.8	.1							5.4	7.3
W	2.3	4.7	2.7	.7								10.3	5.7
WNW	2.0	2.5	2.5	.8								7.6	6.3
NW	3.2	2.8	3.1	1.3								10.4	6.1
NNW	1.6	4.2	4.1	1.8	.4							12.1	7.5
VARBL													
CALM												10.0	
	17.6	33.3	28.8	9.7	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 709

CLIMATE CLIMATOLOGY BRANCH  
 AFMPC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS NOV  
 ALL WEATHER  
 CLASS  
 CONDITION  
 1600-2200  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	2.7	.6								5.7	7.1
NNE	.3	1.3	3.0	.1								4.7	7.0
NE	.4	1.7	1.7									3.8	6.2
ENE	.6	1.1	1.1									2.8	6.1
E	.7	1.4	.7	.3	.1							3.3	6.3
ESE		.1	.6	.1								.9	8.2
SE	.3	.9	.3									1.4	6.1
SSE		1.3	.7	.1								2.1	6.4
S	1.0	2.0	.7	.9								4.6	6.6
SSW	1.1	1.6	2.7	.6								5.0	6.7
SW	.9	2.3	2.6	1.8								7.5	7.7
WSW	2.6	2.8	1.3	.7	.1							7.5	5.6
W	2.3	3.6	2.4	1.1								9.4	6.2
WNW	3.0	2.4	1.4	2.0								8.8	6.3
NW	2.6	2.6	2.6	1.7	.1							9.5	6.7
NNW	1.3	4.6	3.8	1.7								11.4	7.0
VARBL													
CALM												10.5	
	17.9	31.0	28.3	11.8	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 703



USAF CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 40 STATION NAME PATUXENT RIVER NAS MD YEAR 73-80 NOY NOV  
 CLASS ALL WEATHER NOY 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.5	3.5	1.4	.1							8.3	7.6
NNE	.8	1.7	3.0	.6								6.1	6.7
NE	.3	1.7	1.8	.3								4.1	6.7
ENE	.3	.8	1.7	.4								3.2	7.4
E	.6	1.0	1.3	.3								3.1	6.0
ESE	.4	1.1	1.3									2.8	6.7
SE	.4	1.0	.7	.4								2.5	6.8
SSE	.8	1.4	.8	.4								3.5	5.8
S	.7	1.3	2.4	.6	.3							5.2	8.4
SSW		.7	2.3	1.4	.1							4.5	9.8
SW	.4	1.7	2.7	2.1	.3							7.2	8.9
WSW	.7	1.3	1.6	1.8								5.4	8.3
W	1.6	2.5	5.1	2.3	.5							11.7	8.0
WNW	.7	2.4	1.7	2.0	.3							7.1	8.7
NW	.8	1.4	2.7	3.7	.1							8.8	9.4
NNW	1.0	3.2	5.2	2.8	.1							12.4	8.4
VARB													
CALM												4.0	
	10.3	25.8	32.7	20.5	1.7							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 708

2185

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

77440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	4.8	3.1	.9								9.8	6.4
NNE	.1	2.4	3.0									5.5	6.9
NE	.6	1.4	2.1									4.1	6.6
ENE	.4	.9	.6	.4								2.3	6.7
E	.9	1.1	.9	.1								3.0	5.5
ESE	.6	2.4	.9									3.8	5.2
SE	1.4	3.7	3.3	.3								8.7	6.0
SSE	.4	1.7	2.8	1.6								6.5	6.3
S	.3	.3	2.6	1.4								4.5	9.3
SSW	.3	1.6	1.8	1.0								4.7	8.1
SW	.6	.9	2.1	2.0	.1	.1						5.8	9.4
WSW	.4	.9	2.0	1.8	.1	.1						5.3	9.6
W	.6	1.7	4.1	1.8	.1	.1						8.5	8.7
WNW		1.8	2.7	2.8	.6							8.0	10.2
NW	.4	.7	3.0	3.6	.1	.1						8.0	10.4
NNW	.7	1.8	3.6	3.7	.3							10.1	9.5
VARBL													
CALM												1.4	
	8.7	28.1	38.5	21.4	1.4	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 704

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.1	3.1	1.0								10.0	6.0
NNE	.4	3.1	1.7									5.3	5.6
NE	1.0	1.1	1.1	.3								3.6	5.9
ENE	.7	1.1	.4	.1								2.4	5.0
E	.6	.9	.7	.1								2.3	5.7
ESE	.7	1.7	.9									3.3	5.0
SE	2.1	4.0	1.9	.1								8.1	5.3
SSE	.7	4.9	5.3	.7								11.6	6.9
S	1.9	2.4	2.3	.4								7.0	5.8
SSW	.3	.6	2.1	.7	.1							3.9	8.6
SW	.4	1.0	2.0	1.0	.1							4.6	8.5
WSW	.4	1.3	2.3	1.1								5.1	8.2
W	.7	3.4	2.9	.7								7.7	6.9
WNW	.6	.4	1.4	2.0	.6							5.0	10.7
NW	.3	2.0	2.6	2.3								7.1	8.7
NNW	1.6	2.7	3.0	2.4	.3	.1						10.1	8.4
VARBL													
CALM												2.9	
	15.1	33.9	33.7	13.1	1.1	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

720040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.8	1.8	.4								7.1	5.5
NNE	.6	1.1	1.6									3.3	5.9
NE	.6	1.4	1.3									3.3	6.0
ENE	.4	.6	1.0	.6								2.6	7.4
E	.3	.9	1.4	.4								3.0	7.4
ESE	.9	.1	.6									1.6	4.6
SE	1.3	1.6	1.6									4.4	5.4
SSE	1.3	2.3	1.6	.3								5.4	5.7
S	4.3	4.1	2.6	.6								11.5	5.0
SSW	2.0	2.4	3.1	.4								7.9	6.1
SW	1.8	1.4	1.3	.6								5.1	5.7
WSW	1.1	.9	.3	.3	.1							2.7	5.5
W	1.4	1.0	1.7	.7								4.8	6.4
WNW	1.3	1.4	1.0	1.4	.4	.1						5.7	8.3
NW	1.3	1.8	1.8	1.7								6.7	7.4
NNW	1.7	3.4	3.0	2.1	.4							10.6	7.7
VARBL													
CALM												14.5	
	22.1	27.2	25.5	9.5	1.0	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 705

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 40 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 NOV NOV  
DATE 2100-2300 HOURS (L.S.T.)  
ALL WEATHER  
GLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	1.6	1.1								6.6	6.8
NNE	1.0	1.8	.4	.3								3.5	5.1
NNE	.6	2.1	1.6	.1								4.4	6.1
NNE	.7	1.1	1.4	.3								3.5	6.4
E	.1	.6	.6	.7								2.0	8.8
ESE	.1	.6	.8									1.6	6.3
SE	1.0	.4	1.7									3.1	6.1
SSE	1.0	1.7	1.4	.1								4.2	5.5
S	2.1	2.5	1.8	1.0	.1							7.6	6.1
SSW	1.7	1.8	3.2	1.3								8.1	6.9
SW	1.4	1.8	2.3	2.0								7.5	7.6
WSW	1.1	1.1	1.6	.1								4.0	5.7
W	1.6	1.1	1.8	.6								5.1	6.1
WNW	1.8	2.3	2.7	2.0								8.8	7.3
NW	1.6	2.0	2.3	2.0	.1							7.9	7.5
NNW	1.6	4.8	2.8	1.6	.3							11.0	7.1
VARBL													
CALM												11.2	
	18.5	28.7	28.0	13.1	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724140

PATUXENT RIVER NAS MD

73-80

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

UNITS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.8	2.5	.8	.0							7.4	6.5
NNE	.6	2.0	2.2	.2								5.0	6.3
NE	.6	1.7	1.6	.1								4.0	6.1
ENE	.5	1.0	1.1	.2								2.8	6.5
E	.5	1.0	.8	.3	.0							2.5	6.2
ESE	.4	.9	.8	.0								2.1	5.7
SE	.9	1.6	1.3	.1								3.9	5.7
SSE	.7	1.9	1.8	.4								4.8	6.5
S	1.5	2.0	2.0	.8	.1							6.3	6.4
SSW	.8	1.6	2.4	1.0	.0							5.9	7.4
SW	1.0	1.6	2.2	1.7	.1	.0						6.6	7.9
WSW	1.1	1.4	1.6	1.1	.1							5.2	7.4
W	1.7	2.7	2.8	1.1	.1	.0						8.4	6.7
WNW	1.4	1.9	2.1	1.8	.2	.0						7.3	7.9
NW	1.5	2.1	2.6	2.2	.1	.0						8.5	7.8
NNW	1.3	3.5	3.7	2.2	.2	.0						11.0	7.9
VARB.													
CALM												8.3	
	15.7	29.8	31.3	14.0	.9	.1						100.3	6.4

TOTAL NUMBER OF OBSERVATIONS

5650

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-40 STATION PATUXENT RIVER NAS MD 73-80 YEARS DEC MONTH  
0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	4.4	1.5	1.0	.5	.1						9.7	6.2
NNE	.8	1.4	2.2	.1								4.5	6.5
NE	.7	1.0	.7	.8								3.1	6.9
NNE	1.1	1.6	.1									2.9	4.0
E	1.0	.8	.5									2.3	4.5
ESE	.4	.4	.1									1.0	4.6
SE	.7	.8	.5									2.1	5.3
SSE	1.5	1.1	.4	.4								3.4	5.2
S	1.0	2.2	1.4	1.1								5.6	7.3
SSW	1.2	1.5	.8	1.1	.1							4.8	7.1
SW	1.6	2.2	3.3	2.6	.1							9.8	8.1
WSW	.7	1.4	1.9	1.2								5.2	7.8
W	1.2	1.8	1.5	1.2								5.7	6.7
WNW	.7	1.6	2.5	2.3	.5							7.7	9.6
NW	2.1	2.9	2.3	2.1	.5							9.8	7.6
NNW	1.4	3.6	4.4	1.0								10.3	6.9
VARBL													
CALM												12.0	
	18.5	28.6	24.2	14.9	1.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 731

2188

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.2	2.6	1.0	.1	.3						8.3	6.9
NNE	1.8	1.8	3.0	.1								6.7	5.9
NE	.8	1.5	1.6	.4								4.4	6.5
ENE	.7	1.4	.1	.3								2.5	5.2
E	.4	.8	.8	.3								2.3	6.4
ESE	.7	.7	.1									1.5	4.4
SE	.4	1.0	.7									2.1	5.7
SSE	.7	1.1	.4	.4								2.6	6.7
S	3.0	2.2	.7	.4	.1							6.4	4.9
SSW	.5	1.8	1.4	1.1	.1	.1						5.1	8.3
SW	.4	1.5	2.1	1.1								5.1	8.0
WSW	2.2	2.3	2.5	.7								7.7	5.9
W	1.6	3.1	1.9	.4								7.1	5.6
WNW	1.2	1.4	1.8	2.9	.7							7.9	9.3
NW	1.9	2.1	2.3	2.3	.3	.1						9.0	8.2
NNW	2.6	3.7	3.7	1.0	.5							11.5	6.7
VARBL													
CALM												9.8	
	21.2	28.5	25.7	12.3	1.9	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

731



NAVAL CLIMATOLOGY BRANCH  
NAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12 040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.8	4.1	.8	.1							9.4	6.6
NNE	.4	2.3	1.4	.5								4.6	6.7
NE	.4	1.4	.7									2.4	5.3
NNE	.5	2.9	.8									4.2	5.3
E	1.0	1.2	.5	.4	.3							3.4	7.1
ESE	.4	.7	.3									1.4	5.3
SE	.7	.3	.4									1.4	4.8
SSE	1.2	1.0	.5	.5								3.3	5.8
S	2.2	1.9	1.2	.1								5.4	4.8
SSW	1.4	1.1	2.6	1.6	.4							7.1	8.4
SW	.5	1.6	2.3	1.4								5.9	7.6
WSW	1.5	1.2	1.5	.3								4.5	5.7
W	2.9	2.6	1.5	.7								7.6	5.1
WNW	1.5	1.4	1.8	2.0	1.0							7.6	9.4
NW	1.6	2.4	1.8	3.4	.3							9.5	8.5
NNW	2.2	3.3	4.2	1.2	.4	.1						11.4	7.2
VARBL													
CALM												10.9	
	21.0	25.9	25.6	13.1	2.4	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

735

6817

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.6	4.8	1.4	.1							8.3	8.5
NNE	.7	1.9	2.3	.3								5.2	6.6
NE	.5	1.6	1.0									3.1	5.5
ENE	1.2	2.3	.8									4.4	4.9
E	1.2	2.0	1.0		.1	.1	.1					4.6	6.5
ESE	.7	1.1	.3	.1								2.2	4.8
SE	.7	1.2	1.1	.1								3.1	5.7
SSE	.1	1.2	1.5	.1								3.0	7.0
S	.4	1.4	2.6	.8								5.2	7.8
SSW	1.0	1.6	1.9	1.4	.8	.1						6.8	9.0
SW	1.5	1.4	2.3	4.0								9.2	9.0
WSW		.8	2.9	1.6								5.3	4.2
W	1.0	1.2	1.8	.5								4.5	6.5
WNW	1.1	2.0	2.2	1.5	1.1	.3						8.2	9.7
NW	.7	1.9	2.5	5.2	.8							11.1	10.3
NNW	1.1	2.5	3.3	2.7	.4	.1						10.1	9.1
VARB													
CALM												5.6	
	12.3	26.0	32.1	19.8	3.4	.7	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 12040 PATUXENT RIVER NAS MD 73-80 DEC  
STATION NAME YEAR MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.6	2.5	2.9	1.2								7.2	7.5
NNE	1.1	3.6	2.8	.1								7.6	6.0
NE	.6	2.3	.8									3.7	5.1
ENE	1.5	1.4	.4			.1						3.4	4.7
E	.8	1.5	.1			.1	.1					2.8	6.2
ESE	.8	2.1	.4	.1								3.4	5.0
SE	1.0	2.2	2.3	.4								5.9	6.4
SSE	.4	.6	1.9	.4								3.3	7.6
S	.3	1.9	2.1	1.5	.1							5.9	6.3
SSW	.4	1.8	2.9	1.8	.4							7.3	8.8
SW		.7	3.2	3.3	.4							7.6	11.0
WSW	.4	.8	2.5	2.1	.1							5.9	9.1
W	.8	1.5	1.9	1.5	.3							6.1	8.8
WNW	.1	1.8	1.9	2.8	.6	.4						7.6	11.1
NW	.8	1.2	4.4	5.4	.6	.4						12.8	10.7
NNW	.6	1.4	2.9	2.3	.4							7.6	9.6
VARS													
CALM												2.1	
	10.2	27.2	33.4	23.0	2.9	1.1	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 727

CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
 PATUXENT RIVER NAS MD

STATION NAME  
 PATUXENT RIVER NAS MD

73-80

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1500-1700

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.3	2.6	.8								7.9	6.3
NNE	1.5	2.7	1.4	.1								5.7	5.2
NE	1.5	1.6	.8									4.0	4.7
ENE	1.2	1.0	.3									2.5	3.8
E	1.9	.4	.7	.1			.1					3.3	5.3
ESE	.8	1.4	.7	.1	.1	.1						3.3	6.9
SE	1.5	2.5	1.2	.5								5.7	5.7
SSE	1.6	1.8	2.5	.4	.3							6.6	6.6
S	2.6	2.6	1.6	.8								7.7	5.5
SSW	.7	2.6	1.8	1.6								6.7	7.4
SW	.5	1.4	1.1	2.2	.1							5.3	9.3
WSW	.1	1.2	1.0	1.0	.1							3.4	8.2
W	1.2	2.6	1.6	1.5								7.0	7.0
WNW	.7	1.5	2.2	2.3	.8	.1						7.7	10.5
NW	.7	1.6	3.8	3.1	.1							9.4	9.2
NNW	1.1	2.7	1.8	2.0								7.7	7.8
VARBL													
CALM												6.3	
	19.9	29.9	25.0	16.8	1.6	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

732

U.S. NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14040 PATUXENT RIVER NAS MD STATION NAME 73-80 YEARS 0100-2000 MONTH 0000 (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.5	1.8	.7	.3							7.9	6.5
NNE	.8	1.0	1.5	.5								3.5	6.9
NE	1.6	.5	.7	.3								3.1	4.9
ENE	1.4	1.1	.1	.4								3.0	4.7
E	.8	1.4	.1	.3								2.6	5.2
ESE	.3	.7	.3	.3		.1						1.6	7.5
SE	1.2	1.0	.5	.1	.1							3.0	5.1
SSE	1.2	1.9	.8	1.0	.1							5.0	6.9
S	3.0	4.0	1.9	.7								9.5	5.4
SSW	2.7	2.0	1.2	.8	.5							7.4	6.5
SW	1.2	1.0	2.3	2.0								6.5	8.3
WSW	1.2	.5	1.0	.3								3.0	5.6
W	1.0	1.8	.8	.4	.1							4.1	6.0
WNW	.4	.5	1.8	1.6	.5	.1						4.8	11.5
NW	1.4	1.1	1.9	1.8	.1	.3						6.5	6.9
NNW	2.0	3.3	3.1	1.8	.1							10.4	7.0
VARBL													
CALM												17.6	
	22.0	25.0	19.9	13.0	2.0	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 733

2191

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFMPC/AFAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73-40 STATION NAME PATUXENT RIVER NAS MD YEARS 73-80 D & C 080  
 NORTH  
 ALL WEATHER  
 CLASS  
 CONDITION  
 2100-2300  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.0	2.3	.8	.1							5.6	6.1
NNE	.4	2.2	1.9	.4								4.9	7.0
NE	.8	.8	1.0	.4								3.0	6.5
ENE	1.8	1.7	.3									3.0	3.8
E	1.5	1.0	.3									2.7	3.7
ESE	.5	.8	.3									1.6	4.8
SE	1.2	.5	1.1									2.9	4.9
SSE	.8	.7	.7	.3								2.5	6.7
S	2.3	3.4	1.5	1.0								8.2	5.7
SSW	1.4	1.6	2.5	1.4								6.8	7.1
SW	1.6	.7	2.9	1.9	.3							7.4	8.5
WSW	1.0	1.1	1.1	.7	.1							4.0	7.2
W	1.5	1.6	1.5	.3								4.9	5.6
WNW	1.2	1.0	1.2	2.9	.5							6.5	9.5
NW	1.6	2.2	1.2	2.0	.5	.1						7.8	4.3
NNW	1.6	3.5	4.1	1.5								10.4	7.1
VARBL													
CALM												14.6	
	21.7	25.1	23.7	13.5	1.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 734

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20330  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73-40 PATUXENT RIVER NAS MD STATION NAME 73-80 YEAR DEC  
 CLASS ALL WEATHER MONTH ALL  
 CONDITION ALL  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.7	2.8	1.0	.1	.1						6.4	6.8
NNE	.9	2.1	2.0	.3								5.4	5.3
NE	.9	1.3	.9	.2								3.4	5.7
ENE	1.2	1.6	.4	.1		.0						3.2	4.6
E	1.1	1.1	.5	.1	.1	.0	.1					3.0	5.7
ESE	.6	1.0	.3	.1	.0	.0						2.0	5.5
SE	.9	1.2	1.0	.2	.0							3.3	5.6
SSE	1.0	1.2	1.1	.4	.1							3.7	6.5
S	1.4	2.4	1.6	.8	.0							6.7	6.1
SSW	1.2	1.3	1.9	1.3	.3	.0						6.5	7.8
SW	.9	1.3	2.4	2.3	.1							7.1	8.7
WSW	.9	1.2	1.8	1.0	.1							4.9	7.4
W	1.4	2.0	1.6	.8	.1							5.9	6.4
WNW	.9	1.4	1.9	2.5	.7	.1						7.2	10.0
NW	1.3	1.9	2.5	3.2	.4	.1						9.5	9.1
NNW	1.6	3.0	3.4	1.7	.2	.0						10.0	7.6
VARBL													
CALM												9.9	
	14.3	27.1	26.2	15.8	2.2	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 5855

GLOBAL CLIMATOLOGY BRANCH  
 AFMELAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81  
 STATION

PATUXENT RIVER NAS MD  
 STATION NAME

73-81  
 YEARS

ALL  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.0	.6	.0	.0						6.5	6.3
NNE	1.0	2.3	1.7	.4	.0	.0						5.3	6.2
NE	.8	1.7	.9	.2	.0		.0					3.7	5.8
ENE	.8	1.3	.7	.2	.0	.0						2.9	5.6
E	.9	1.5	.9	.2	.0	.0	.0					3.5	5.7
ESE	.7	1.6	.9	.2	.0	.0						3.4	5.7
SE	.8	2.1	2.1	.6	.0	.0						5.6	6.8
SSE	1.1	2.3	2.4	1.0	.1	.0						6.9	7.0
S	2.1	3.0	2.0	.7	.0							7.9	5.9
SSW	1.1	1.8	2.1	1.0	.1	.0	.0					6.1	7.2
SW	1.0	1.8	2.2	1.3	.1	.0	.0					6.4	7.7
WSW	.8	1.4	1.6	.8	.1	.0	.0					4.8	7.4
W	1.5	2.3	1.7	.7	.1	.0	.0					6.3	6.5
WNW	1.3	1.9	1.7	1.3	.3	.1	.0					6.6	7.9
NW	1.4	2.0	2.3	2.0	.3	.1	.0					8.0	8.1
NNW	1.5	2.5	2.6	1.2	.2	.0	.0					7.9	7.1
VARBL													
CALM												8.2	
	18.2	31.7	27.9	12.4	1.4	.3	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

68788



U.S. NAVAL CLIMATOLOGY BRANCH  
 USFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-040 STATION PATUXENT RIVER NAS MD 73-81 YEARS ALL MONTH ALL SEASONS (L.S.T.)

INSTRUMENT  
 CLASS  
 CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.  
 CONDITION  
 AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.0	4.1	4.1	1.5	.1							11.8	6.6
NNE	1.6	4.5	4.2	1.1	.1	.0						11.4	6.7
NE	.9	2.8	2.3	.9	.0		.0					6.9	6.9
NNE	.9	2.1	2.0	.6	.1							5.7	6.8
E	1.2	2.7	2.2	.8	.1	.0	.0					7.1	6.9
ESE	.8	1.9	1.7	.5	.0	.0						4.9	6.7
SE	.7	2.2	2.3	.7	.1	.0						5.9	7.2
SSE	.8	1.6	1.8	1.0	.1	.0						5.4	7.6
S	1.3	2.1	1.4	.7	.2							5.6	6.7
SSW	.6	1.3	1.3	.7	.0							3.9	7.2
SW	.6	1.2	1.1	.6	.1							3.7	7.3
WSW	.5	1.0	.7	.2	.1							2.6	6.7
W	1.3	1.9	1.1	.3	.1	.0						4.6	5.7
WNW	1.1	1.3	.6	.3	.1	.0	.0					3.4	5.8
NW	1.2	1.3	1.4	.5	.1	.0						4.6	6.6
NNW	1.4	1.7	1.7	.5	.0		.0					5.4	6.3
VARBL													
CALM												7.0	
	17.0	43.7	30.0	10.9	1.2	.2	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 7527

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 5/16$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	.4	49.9	50.3	50.3	50.6	50.9	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IV 16000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000	.4	54.6	55.0	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	.4	55.1	55.5	55.7	56.2	56.5	56.6	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9
IV 10000	.4	59.3	60.2	60.3	60.8	61.1	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5
IV 9000	.4	59.5	60.3	60.4	61.0	61.3	61.4	61.4	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	.4	64.8	65.9	66.0	66.6	66.8	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000	.7	66.2	67.3	67.5	68.1	68.3	68.5	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8
IV 6000	.7	66.4	67.5	67.8	68.3	68.6	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0
IV 5000	.7	67.1	68.2	68.5	69.0	69.3	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	.7	69.0	70.1	70.4	71.1	71.4	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8
IV 4000	.7	70.8	72.0	72.4	73.4	73.7	73.8	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1
IV 3500	.7	71.9	73.4	73.8	74.8	75.0	75.2	75.2	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	.8	73.3	75.0	75.6	76.8	77.1	77.2	77.4	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500	.8	73.8	76.0	76.5	77.8	78.0	78.2	78.3	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	.8	75.2	77.4	77.9	79.1	79.4	79.5	79.7	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2
IV 1800	.8	76.1	78.6	79.1	80.4	80.6	80.8	80.9	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	.8	77.1	79.7	80.2	81.6	81.9	82.1	82.3	82.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	.8	77.4	79.9	80.5	81.9	82.3	82.5	82.7	82.7	82.9	83.4	83.4	83.4	83.4	83.4	83.4
IV 1000	.8	78.6	81.3	81.9	83.8	84.3	84.7	85.0	85.1	85.5	85.9	85.9	85.9	85.9	85.9	85.9
IV 900	.8	78.7	81.6	82.4	84.9	85.7	86.1	86.4	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3
IV 800	.8	78.9	81.7	82.8	85.3	86.2	86.6	86.9	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0
IV 700	.8	79.4	82.3	83.5	86.1	87.0	87.4	87.7	87.9	88.4	88.8	88.8	88.8	88.8	88.8	88.8
IV 600	.8	79.9	82.8	84.2	87.0	88.0	88.5	88.8	88.9	89.5	89.9	89.9	89.9	89.9	89.9	89.9
IV 500	.8	80.4	83.4	85.4	89.2	90.2	90.9	91.3	91.4	92.0	92.4	92.4	92.5	92.5	92.5	92.5
IV 400	.8	80.6	83.8	85.8	89.9	91.0	91.7	92.4	92.5	93.2	94.0	94.0	94.3	94.3	94.3	94.3
IV 300	.8	80.6	83.8	86.1	90.5	91.5	92.8	93.7	94.0	95.0	95.8	95.8	96.3	96.5	96.5	96.6
IV 200	.8	80.6	83.8	86.1	90.6	91.8	93.2	94.4	94.7	95.8	96.7	96.7	97.3	97.4	97.5	98.0
IV 100	.8	80.8	83.9	86.2	90.7	92.0	93.5	94.7	95.0	96.2	97.1	97.1	97.8	98.0	98.5	99.6
IV 0	.8	80.8	83.9	86.2	90.7	92.0	93.5	94.7	95.0	96.2	97.1	97.1	97.8	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

US00-US00  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.3	48.4	49.2	49.5	49.9	50.0	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 18000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 16000	.3	52.2	53.1	53.7	54.1	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000	.3	52.3	53.3	53.8	54.2	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	.3	52.7	53.7	54.2	54.6	54.8	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	.3	57.1	58.6	59.1	59.5	59.7	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 9000	.3	57.8	59.3	59.8	60.2	60.4	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	.3	62.4	64.0	64.6	65.0	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	.3	64.6	66.3	67.2	67.6	67.7	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	.3	64.6	66.3	67.2	67.6	67.7	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	.3	65.4	67.2	68.0	68.5	68.7	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4500	.3	68.0	70.2	71.1	71.8	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4000	.3	69.7	71.4	72.6	73.3	73.4	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	.3	69.8	72.5	73.7	74.7	74.8	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3000	.3	70.6	73.6	74.9	75.9	76.2	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.2
IV 2500	.4	71.5	74.9	76.4	77.4	77.7	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.7
IV 2000	.4	73.0	76.4	77.9	79.0	79.3	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.4
IV 1800	.4	73.0	76.4	77.9	79.0	79.3	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.5
IV 1500	.4	73.4	76.8	78.6	79.8	80.1	80.8	80.8	80.8	80.9	81.2	81.2	81.2	81.2	81.2	81.5
IV 1200	.4	73.6	77.1	79.2	80.7	80.9	81.6	81.6	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.3
IV 1000	.4	74.7	78.3	80.9	83.0	83.2	83.9	83.9	83.9	84.1	84.3	84.3	84.3	84.5	84.5	84.9
IV 900	.4	74.8	78.6	81.5	83.7	83.9	84.6	84.6	84.6	84.9	85.1	85.1	85.1	85.3	85.4	85.8
IV 800	.4	75.1	79.2	82.2	84.6	85.0	85.7	85.7	85.7	86.1	86.4	86.4	86.5	86.6	86.8	87.2
IV 700	.4	75.5	79.7	82.7	85.4	86.1	86.8	86.8	86.8	87.2	87.5	87.5	87.6	87.7	87.9	88.4
IV 600	.4	75.9	80.1	83.4	86.5	87.2	87.9	87.9	87.9	88.3	88.6	88.6	88.7	88.8	89.0	89.5
IV 500	.4	76.2	80.7	84.6	88.1	89.1	90.1	90.1	90.1	90.5	90.7	90.7	90.9	91.0	91.1	91.7
IV 400	.4	76.3	80.8	85.0	89.9	91.1	92.5	92.6	92.6	93.1	93.3	93.3	93.6	93.7	94.0	94.6
IV 300	.4	76.3	80.8	85.0	90.2	91.6	93.1	93.6	93.7	94.6	94.8	94.8	95.1	95.2	95.6	96.2
IV 200	.4	76.4	80.9	85.1	90.3	91.7	93.2	93.9	94.1	95.2	95.9	95.9	96.5	96.6	97.1	97.8
IV 100	.4	76.4	80.9	85.1	90.3	91.8	93.3	94.0	94.3	95.5	96.2	96.2	97.3	97.4	98.2	99.2
IV 0	.4	76.4	80.9	85.1	90.3	91.8	93.3	94.0	94.3	95.5	96.2	96.2	97.4	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 754

GLCHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-40 PATUXENT RIVER NAS MD

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS, EST

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.6	≥.5	≥.4	≥.3	≥.25	≥.20
NO CEILING	.1	40.7	42.6	43.2	43.3	43.3	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	.1	47.0	49.2	49.9	50.0	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	.1	47.0	49.2	49.9	50.0	50.0	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	.1	47.1	49.3	50.0	50.1	50.1	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 14000	.1	47.3	49.5	50.1	50.3	50.3	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	.1	48.4	50.5	51.2	51.4	51.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 10000	.1	53.3	55.7	56.6	57.0	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	.1	53.7	56.1	57.0	57.4	57.4	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 8000	.1	58.5	61.3	62.3	62.7	62.7	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 7000	.1	60.4	63.7	64.8	65.3	65.3	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	.1	61.1	64.3	65.4	66.1	66.1	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 5000	.1	62.2	65.6	66.7	67.6	67.6	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	.3	65.2	68.7	69.8	70.8	70.8	71.2	71.6	71.6	71.7	71.7	71.9	71.9	71.9	72.0	72.0
IV 4000	.5	67.2	70.8	72.0	73.1	73.1	73.5	73.9	73.9	74.0	74.0	74.2	74.2	74.2	74.3	74.3
IV 3500	.3	67.5	71.2	72.5	73.6	73.6	74.0	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.9	74.9
IV 3000	.3	68.3	72.0	73.4	74.7	74.7	75.3	75.7	75.7	75.8	76.1	76.4	76.4	76.4	76.5	76.5
IV 2500	.3	69.9	73.6	75.1	76.9	76.9	77.5	77.9	77.9	78.0	78.3	78.6	78.6	78.6	78.7	78.7
IV 2000	.3	70.8	74.5	76.2	78.0	78.0	78.6	79.0	79.0	79.2	79.5	79.8	79.8	79.8	79.9	79.9
IV 1800	.3	70.8	74.5	76.6	78.4	78.4	79.0	79.4	79.4	79.6	79.9	80.2	80.2	80.2	80.3	80.3
IV 1500	.3	71.7	75.4	77.9	79.6	79.6	80.2	80.6	80.6	80.9	81.3	81.6	81.6	81.6	81.7	81.7
IV 1200	.3	72.7	76.4	79.0	81.0	81.0	81.6	82.0	82.0	82.4	82.8	83.1	83.1	83.1	83.2	83.2
IV 1000	.3	73.1	77.0	80.2	82.5	82.7	83.3	83.7	83.7	84.3	84.7	85.0	85.0	85.0	85.1	85.1
IV 900	.3	73.1	77.2	80.5	82.9	83.5	84.3	84.7	84.7	85.2	85.7	85.9	85.9	85.9	86.1	86.1
IV 800	.5	73.2	77.3	80.7	83.5	84.0	84.8	85.2	85.2	85.8	86.2	86.5	86.6	86.6	86.7	86.7
IV 700	.3	73.5	77.9	81.8	84.6	85.2	86.1	86.5	86.5	87.0	87.4	87.7	87.8	87.8	88.0	88.0
IV 600	.3	73.5	77.9	81.8	85.0	85.7	86.9	87.3	87.3	87.8	88.3	88.5	88.7	88.7	88.8	88.8
IV 500	.3	73.8	78.4	82.8	86.3	87.0	88.5	89.2	89.2	90.0	90.4	90.7	90.8	90.8	91.0	91.0
IV 400	.3	73.8	78.4	83.1	87.8	88.9	90.7	91.4	91.4	92.3	92.8	93.0	93.9	93.9	94.0	94.0
IV 300	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.3	93.3	94.1	94.4	95.4	95.4	95.9	95.9
IV 200	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.6	94.5	94.8	96.3	96.3	97.4	97.4
IV 100	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.9	94.8	95.1	97.4	97.7	98.8	98.8
IV 0	.3	73.8	78.4	83.1	87.8	89.1	91.4	92.3	92.5	93.9	94.8	95.1	97.4	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72-040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	.4	38.8	41.3	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	.5	45.0	47.5	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	.5	45.6	48.2	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 12000	.5	46.5	49.3	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000	.5	50.3	53.3	54.9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	.5	51.1	54.2	55.9	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	.5	56.0	59.4	61.0	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	.5	58.2	61.7	63.4	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	.5	59.0	62.7	64.6	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	.5	61.0	64.7	66.6	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 4500	1.0	63.9	68.1	70.3	71.4	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	1.0	65.9	70.2	72.3	73.6	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	1.0	66.2	70.4	73.0	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	1.0	67.4	71.9	74.9	76.4	77.0	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2500	1.0	67.8	72.3	75.5	77.0	77.5	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	1.0	68.8	73.6	76.7	78.5	79.0	80.0	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1800	1.0	69.1	73.8	77.2	79.2	79.7	80.7	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	1.0	69.8	74.5	77.9	80.0	80.5	81.6	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	1.0	70.2	75.1	78.7	80.9	81.5	82.7	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	1.0	70.7	75.6	80.2	83.0	83.7	85.1	85.7	85.7	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900	1.0	70.7	75.6	80.5	83.8	84.6	86.0	86.5	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	1.0	70.7	75.6	80.5	83.8	84.6	86.2	86.9	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	1.0	71.0	76.2	81.3	84.9	85.8	87.5	88.3	88.3	88.8	89.4	89.4	89.4	89.6	89.6	89.6
≥ 600	1.0	71.1	76.4	81.7	85.4	86.4	88.4	89.4	89.4	90.2	90.7	91.0	91.0	91.0	91.0	91.0
≥ 500	1.0	71.1	76.7	82.6	86.5	87.9	91.0	92.1	92.1	93.2	93.9	93.9	94.7	94.7	94.7	94.7
≥ 400	1.0	71.1	76.7	82.7	86.6	88.0	91.4	92.5	92.5	93.6	94.3	94.3	95.1	95.1	95.1	95.1
≥ 300	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	96.6	96.6	96.7	96.7
≥ 200	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	96.6	96.6	96.9	96.9
≥ 100	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	96.6	96.6	99.3	100.0
≥ 0	1.0	71.3	76.8	82.8	87.1	88.4	92.1	93.3	93.5	95.1	96.2	96.3	96.6	96.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 734



USAF CLIMATOLOGY BRANCH  
USAF ETAC  
A. WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. PATUXENT RIVER NAS MD

74-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES																
	210	20	25	24	23	22	27	21	21	21	24	24	24	25	25	25	25
NO. OBS.	1	36.3	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2000	7	44.5	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
1800	7	44.9	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
1600	7	45.2	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
1400	7	45.9	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
1200	7	47.1	48.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
1000	7	51.5	53.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
800	7	52.2	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
600	7	58.5	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
400	7	61.9	64.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
200	7	62.6	65.5	67.0	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
100	7	64.7	67.7	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
50	1.0	65.4	68.6	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
25	1.0	67.9	71.2	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
10	1.0	69.0	72.3	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
5	1.0	71.2	74.7	77.0	77.8	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2	1.0	72.3	75.8	78.2	79.0	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1	1.0	73.8	77.5	80.3	81.2	81.5	82.1	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
500	1.0	74.0	77.7	80.4	81.4	81.6	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
400	1.0	74.8	78.8	81.6	82.7	83.0	83.6	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
300	1.0	75.6	79.6	82.5	83.8	84.1	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
200	1.0	76.0	80.1	83.2	84.9	85.5	86.7	87.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100	1.0	76.0	80.1	83.2	85.2	85.8	87.0	87.5	87.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
50	1.0	76.0	80.1	83.3	85.3	85.9	87.1	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
20	1.0	76.2	80.4	84.1	86.3	87.1	88.4	88.9	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
10	1.0	76.2	80.7	84.4	87.0	88.1	89.7	90.5	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
5	1.0	76.2	80.8	84.5	87.8	88.9	90.8	91.9	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2	1.0	76.2	81.1	84.9	88.4	89.5	91.6	93.0	93.2	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.3
1	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.1	96.4	96.7	96.7	96.7	97.0	97.0	97.9	97.9
50	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.0
20	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	99.7
10	1.0	76.2	81.1	84.9	88.5	89.6	92.1	93.8	94.2	96.7	97.0	97.0	97.0	98.1	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
14-140

STATION NAME  
PATUXENT RIVER NAS MD

74-81

YEARS

MONTH  
JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	1.1	41.2	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 20000	1.1	48.6	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 18000	1.1	48.8	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	1.1	48.8	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	1.1	49.5	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 12000	1.1	50.8	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 10000	1.1	53.6	55.1	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 9000	1.1	53.9	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	1.1	57.6	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	1.1	62.1	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	1.1	62.9	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 5000	1.1	64.8	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	1.1	65.4	67.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4000	1.1	68.3	70.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	1.1	70.5	73.1	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3000	1.1	73.5	76.3	78.5	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2500	1.1	74.1	77.0	79.2	79.8	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2000	1.1	75.2	78.1	80.8	81.8	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800	1.1	75.5	78.4	81.3	82.2	82.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1500	1.1	76.7	79.8	82.6	84.0	84.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	1.1	77.0	80.0	82.9	84.7	84.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1000	1.1	77.0	80.2	83.2	85.2	85.4	86.7	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3
IV 900	1.1	77.2	80.3	83.4	85.6	85.8	87.1	87.4	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0
IV 800	1.1	77.3	80.4	83.9	86.6	86.9	88.4	88.9	88.9	89.3	89.5	89.5	89.5	89.5	89.5	89.5
IV 700	1.1	77.3	80.6	84.1	87.0	87.3	88.8	89.3	89.3	90.0	90.2	90.2	90.3	90.3	90.3	90.3
IV 600	1.1	77.3	80.6	84.1	87.6	88.0	89.7	90.4	90.4	91.2	91.4	91.4	91.5	91.5	91.5	91.5
IV 500	1.1	77.4	80.7	84.3	88.2	88.6	90.4	91.1	91.1	92.3	92.7	92.7	92.9	92.9	92.9	92.9
IV 400	1.1	77.4	80.7	84.4	88.8	89.3	91.4	92.3	92.3	94.1	94.7	94.7	95.1	95.1	95.1	95.1
IV 300	1.1	77.4	80.7	84.5	89.1	89.6	91.9	93.7	93.7	95.9	96.6	96.6	97.1	97.1	97.3	97.3
IV 200	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.8	98.8	99.0	99.0
IV 100	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.9	98.9	99.5	99.6
IV 0	1.1	77.4	80.7	84.5	89.1	89.7	92.3	94.5	94.5	97.0	97.9	97.9	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

725-140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEAR

JAN  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	47.2	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	54.3	55.1	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
18000	54.4	55.1	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
16000	54.4	55.1	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
14000	54.5	55.2	56.3	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
12000	55.4	56.1	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
10000	58.4	59.1	60.2	60.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
9000	58.7	59.4	60.5	60.5	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
8000	63.2	64.0	65.2	65.3	65.4	65.8	65.8	65.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0
7000	65.2	66.0	67.2	67.4	67.5	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
6000	65.6	66.4	67.6	67.8	67.9	68.3	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
5000	66.7	67.5	68.7	68.9	69.0	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
4500	68.3	69.4	70.7	70.8	70.9	71.5	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
4000	70.7	72.5	74.2	74.5	74.7	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
3500	71.5	73.7	75.5	75.8	75.9	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3000	74.8	77.0	78.9	79.2	79.3	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2500	76.3	78.5	80.7	81.0	81.3	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2000	77.0	79.2	81.5	82.0	82.2	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1800	77.0	79.2	81.7	82.2	82.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1500	77.7	80.0	82.5	83.5	83.6	84.8	85.0	85.0	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3
1200	78.0	80.3	82.9	83.9	84.2	85.4	85.5	85.5	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8
1000	78.4	80.7	83.5	85.1	85.7	87.1	87.2	87.3	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6
900	78.5	81.0	83.9	85.7	86.2	87.7	88.3	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1
800	78.8	81.4	84.8	86.8	87.3	88.8	89.4	89.7	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.4
700	79.1	81.8	85.4	87.7	88.4	89.9	90.6	90.9	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6
600	79.3	82.5	86.2	88.8	89.5	91.2	91.9	92.1	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0
500	79.3	82.6	86.4	89.4	90.5	92.4	93.1	93.4	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6
400	79.3	82.8	86.6	89.8	90.9	93.3	93.9	94.2	95.0	95.7	95.7	95.9	95.9	95.9	95.9	95.9
300	79.3	82.8	86.6	89.8	90.9	93.5	94.2	94.8	95.7	96.4	96.4	96.7	96.7	96.8	96.8	96.8
200	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	98.6	98.6	98.6
100	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	99.0	99.3	99.3
0	79.3	82.8	86.6	89.8	90.9	93.9	94.6	95.3	96.8	97.7	97.7	98.1	98.2	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

GLOBAL CLIMATOLOGY BRANCH  
UNAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	.7	50.3	51.1	51.5	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.3	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	.5	55.2	56.3	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	.5	59.3	60.9	61.3	61.3	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	.5	59.3	61.1	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	.3	66.3	68.0	68.4	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	.4	67.9	69.5	69.9	69.9	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	.4	68.3	69.9	70.5	70.5	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	.4	69.2	70.9	71.4	71.4	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	.4	70.9	72.5	73.1	73.1	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	.3	72.3	73.9	74.5	74.5	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	.4	73.4	75.4	76.0	76.0	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	.4	75.8	78.2	78.7	78.7	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	.5	76.8	79.1	79.8	80.1	80.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	.9	78.3	80.6	81.6	82.0	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	.8	78.4	80.8	81.7	82.3	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1500	.8	79.1	81.9	83.0	83.7	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	.4	80.2	83.1	84.8	85.6	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	.4	80.2	83.1	84.9	86.0	86.4	87.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	.8	80.2	83.2	85.2	86.3	86.7	87.9	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	.4	80.2	83.2	85.4	86.5	87.1	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	.5	80.4	83.5	85.9	87.2	87.9	89.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600	.5	80.4	83.5	85.9	87.4	88.2	89.7	89.7	89.8	90.0	90.1	90.1	90.2	90.2	90.2	90.2
≥ 500	.3	80.6	84.3	87.2	89.1	90.1	91.6	91.6	91.8	92.2	92.4	92.4	92.6	92.6	92.6	92.6
≥ 400	.3	80.6	84.9	88.0	90.2	91.5	93.1	93.5	93.7	94.4	94.9	94.9	95.1	95.1	95.2	95.2
≥ 300	.3	80.6	84.9	88.3	90.7	92.0	93.7	94.4	94.5	95.3	96.0	96.0	96.4	96.4	96.7	96.7
≥ 200	.5	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	95.9	96.6	96.6	97.4	97.5	97.8	97.8
≥ 100	.5	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	96.3	97.1	97.1	98.2	98.4	98.8	99.5
≥ 0	.5	80.6	84.9	88.5	90.8	92.2	93.8	94.5	94.6	96.3	97.1	97.1	98.2	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

74-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-5

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.5	44.1	45.2	45.7	45.8	45.9	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	.6	50.2	51.5	52.1	52.3	52.4	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	.6	50.3	51.6	52.2	52.4	52.5	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	.6	50.3	51.6	52.3	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	.6	50.6	51.9	52.6	52.8	52.9	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	.6	51.5	52.9	53.6	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	.6	55.4	57.1	57.9	58.1	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	.6	55.8	57.5	58.3	58.6	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	.6	60.9	62.9	63.7	64.0	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	.6	63.3	65.4	66.4	66.7	66.8	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	.6	63.8	66.0	67.0	67.4	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	.6	65.1	67.3	68.4	68.9	69.0	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	.7	67.0	69.4	70.6	71.0	71.3	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	.7	69.0	71.6	73.0	73.6	73.8	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	.7	70.0	72.7	74.2	74.9	75.1	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	.8	71.9	74.8	76.5	77.3	77.5	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.4
≥ 2500	.8	72.8	75.9	77.7	78.6	78.9	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.8	79.8
≥ 2000	.8	74.0	77.2	79.1	80.2	80.5	81.2	81.3	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.7
≥ 1800	.8	74.2	77.4	79.5	80.6	80.9	81.6	81.8	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1
≥ 1500	.9	75.0	78.4	80.5	81.8	82.1	82.9	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.6
≥ 1200	.9	75.6	78.9	81.3	82.8	83.1	83.9	84.1	84.1	84.3	84.5	84.5	84.6	84.6	84.6	84.6
≥ 1000	.9	76.1	79.5	82.2	84.2	84.6	85.7	85.9	86.0	86.3	86.5	86.5	86.6	86.6	86.6	86.6
≥ 900	.9	76.1	79.7	82.6	84.7	85.2	86.3	86.7	86.7	87.1	87.4	87.4	87.4	87.4	87.5	87.5
≥ 800	.9	76.3	79.9	83.0	85.3	85.9	87.0	87.4	87.5	87.9	88.2	88.2	88.3	88.3	88.3	88.4
≥ 700	.9	76.5	80.3	83.6	86.1	86.9	88.0	88.4	88.5	89.0	89.2	89.3	89.4	89.4	89.4	89.5
≥ 600	.9	76.7	80.6	84.0	86.8	87.6	89.0	89.5	89.6	90.2	90.4	90.4	90.6	90.6	90.6	90.7
≥ 500	.9	76.9	81.1	84.7	88.1	89.0	90.7	91.3	91.4	92.2	92.5	92.6	92.8	92.8	92.8	92.9
≥ 400	.8	76.9	81.1	85.1	88.9	90.0	92.0	92.7	92.8	93.8	94.3	94.4	94.8	94.8	94.9	94.9
≥ 300	.8	76.9	81.2	85.2	89.2	90.3	92.6	93.6	93.8	95.1	95.7	95.8	96.4	96.4	96.7	96.8
≥ 200	.8	76.9	81.2	85.2	89.2	90.4	92.7	93.9	94.2	95.8	96.6	96.6	97.6	97.6	98.1	98.3
≥ 100	.8	77.0	81.2	85.2	89.3	90.5	92.8	94.0	94.2	95.9	96.8	96.8	98.1	98.2	98.9	99.6
≥ 0	.8	77.0	81.2	85.2	89.3	90.5	92.8	94.0	94.2	95.9	96.8	96.8	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5848

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING		55.2	56.4	57.2	58.0	58.0	58.0	58.0	58.0	58.1	58.3	58.3	58.3	58.3	58.4	58.4
IV 20000		61.0	62.3	63.2	64.0	64.0	64.1	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.6	64.6
IV 18000		61.1	62.5	63.4	64.1	64.1	64.3	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.7	64.7
IV 16000		61.1	62.5	63.4	64.1	64.1	64.3	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.7	64.7
IV 14000		61.6	62.9	63.8	64.6	64.6	64.7	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.2	65.2
IV 12000		61.7	63.4	64.3	65.0	65.0	65.2	65.2	65.2	65.3	65.5	65.5	65.5	65.5	65.6	65.6
IV 10000		65.9	67.7	68.6	69.4	69.4	69.5	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.1	70.1
IV 9000		66.4	68.2	69.1	69.8	69.8	70.0	70.1	70.1	70.3	70.4	70.4	70.4	70.4	70.6	70.6
IV 8000		68.8	70.6	71.6	72.3	72.3	72.5	72.6	72.6	72.8	72.9	72.9	72.9	72.9	73.2	73.2
IV 7000		69.1	71.0	72.3	73.1	73.1	73.2	73.4	73.4	73.5	73.7	73.7	73.7	73.7	74.0	74.0
IV 6000		69.4	71.3	72.8	73.5	73.5	73.7	73.8	73.8	74.0	74.1	74.1	74.1	74.1	74.4	74.4
IV 5000		70.4	72.5	74.1	74.9	74.9	75.0	75.2	75.2	75.3	75.5	75.5	75.5	75.5	75.8	75.8
IV 4500		71.6	74.3	75.9	76.7	76.7	76.8	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.6	77.6
IV 4000		74.1	77.3	79.1	79.8	79.8	80.0	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.7	80.7
IV 3500		74.6	77.7	79.5	80.3	80.3	80.4	80.9	80.9	81.0	81.2	81.2	81.2	81.2	81.5	81.5
IV 3000		75.9	79.1	81.2	81.9	81.9	82.1	82.5	82.5	82.7	82.8	82.8	82.8	82.8	83.1	83.1
IV 2500		76.7	79.8	81.9	82.8	82.8	83.0	83.4	83.4	83.6	83.7	83.7	83.7	83.7	84.0	84.0
IV 2000		77.3	80.6	82.7	83.7	83.7	83.9	84.5	84.5	84.6	84.8	84.8	84.8	84.8	85.1	85.1
IV 1800		77.4	80.7	82.8	83.9	83.9	84.0	84.6	84.6	84.8	84.9	84.9	84.9	84.9	85.2	85.2
IV 1500		77.7	81.2	83.3	84.5	84.5	84.6	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.8	85.9
IV 1200		78.5	82.2	84.5	85.8	85.8	85.9	86.5	86.5	86.7	86.8	86.8	86.8	86.8	87.1	87.3
IV 1000		79.4	83.4	85.8	87.4	87.4	87.7	88.3	88.3	88.6	88.8	88.8	88.8	88.8	89.1	89.2
IV 900		79.7	83.7	86.1	87.9	87.9	88.2	88.8	88.9	89.2	89.4	89.4	89.4	89.4	89.7	89.8
IV 800		79.7	83.7	86.1	88.0	88.2	88.5	89.1	89.2	89.5	89.7	89.7	89.7	89.7	90.0	90.1
IV 700		79.7	83.7	86.5	88.5	88.6	88.9	89.5	89.7	90.0	90.1	90.1	90.1	90.1	90.4	90.6
IV 600		79.7	83.9	86.8	88.9	89.1	89.4	90.0	90.1	90.4	90.6	90.6	90.6	90.6	90.9	91.0
IV 500		80.0	84.6	87.7	90.0	90.1	90.4	91.2	91.3	91.6	91.8	91.8	91.8	91.8	92.2	92.4
IV 400		80.3	85.2	88.8	91.3	91.6	91.9	92.8	93.0	93.3	93.4	93.4	93.4	93.7	94.3	94.5
IV 300		80.4	85.5	89.1	92.1	92.7	93.0	94.0	94.2	94.5	94.8	94.8	94.9	95.2	96.0	96.1
IV 200		80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.2	95.5	95.5	95.7	96.0	96.9	97.2
IV 100		80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.5	95.8	95.8	96.0	96.3	97.6	98.8
IV 0		80.4	85.5	89.1	92.4	93.0	93.4	94.5	94.9	95.5	95.8	95.8	96.0	96.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 669

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	.2	51.5	52.3	53.0	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	.2	59.5	60.5	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	.2	59.8	60.8	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	.2	59.8	60.8	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
IV 14000	.2	60.1	61.1	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	.2	60.7	62.3	63.2	63.7	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	.2	66.1	67.7	68.6	69.1	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	.2	66.4	68.0	68.9	69.4	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	.2	69.8	71.5	72.8	73.4	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	.2	70.0	71.9	73.3	73.9	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	.2	70.3	72.2	73.6	74.2	74.5	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	.2	71.0	73.3	74.6	75.2	75.7	75.8	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	.2	72.2	74.6	76.0	76.6	77.0	77.2	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	.2	74.3	76.9	78.4	79.0	79.4	79.6	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	.2	74.9	77.5	79.0	79.6	80.0	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	.2	75.7	78.4	79.9	80.8	81.2	81.7	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2500	.2	76.7	79.4	81.1	82.4	82.9	83.6	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	.2	78.1	81.1	82.9	84.2	84.8	85.6	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	.2	78.2	81.2	83.0	84.4	85.0	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500	.2	79.0	82.1	83.9	85.3	85.9	86.6	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	.2	79.7	82.9	84.7	86.0	86.6	87.4	87.5	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000	.2	80.4	83.5	85.3	86.9	87.5	88.4	88.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 900	.2	80.6	83.9	85.7	87.4	88.0	89.0	89.3	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 800	.2	81.2	84.5	86.3	88.0	88.6	89.6	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 700	.2	81.2	84.5	86.3	88.0	88.6	89.6	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.7	90.7
IV 600	.2	81.5	85.0	86.8	88.6	89.2	90.2	90.5	90.5	91.1	91.1	91.1	91.1	91.1	91.3	91.3
IV 500	.2	81.5	85.0	86.9	88.9	89.5	90.5	91.0	91.0	91.7	91.7	91.7	91.7	91.9	91.9	91.9
IV 400	.2	82.1	85.6	87.5	89.4	90.7	91.9	92.3	92.3	93.1	93.1	93.1	93.1	93.2	93.2	93.2
IV 300	.2	82.1	85.6	87.7	90.7	91.6	93.2	94.0	94.0	94.7	94.7	94.7	94.7	94.9	94.9	94.9
IV 200	.2	82.1	85.6	87.7	91.3	92.2	93.8	94.7	95.6	95.6	95.6	95.6	95.6	96.2	96.2	96.7
IV 100	.2	82.1	85.6	87.7	91.3	92.2	93.8	95.0	95.0	96.4	96.4	96.4	96.4	97.3	97.4	99.5
IV 0	.2	82.1	85.6	87.7	91.3	92.2	93.8	95.0	95.0	96.4	96.4	96.4	96.4	97.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 666

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	1.2	49.8	50.9	51.4	51.7	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	1.2	57.1	58.3	59.2	59.6	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000	1.2	57.1	58.3	59.2	59.6	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	1.2	57.1	58.4	59.3	59.8	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	1.2	57.1	58.4	59.3	59.8	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000	1.2	59.3	61.0	62.0	62.6	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
≥ 10000	1.2	64.3	65.9	67.0	67.6	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5
≥ 9000	1.2	64.6	66.2	67.3	67.9	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8
≥ 8000	1.2	67.6	69.2	70.6	71.8	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0
≥ 7000	1.2	69.1	70.9	72.2	73.4	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6
≥ 6000	1.2	69.2	71.0	72.4	73.6	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.9
≥ 5000	1.2	69.8	71.6	73.1	74.3	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.7	75.8
≥ 4500	1.2	71.6	73.4	75.1	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.6	77.9
≥ 4000	1.2	73.7	75.7	77.6	79.1	79.9	79.9	80.2	80.3	80.5	80.5	80.5	80.5	80.6	80.8	80.9
≥ 3500	1.2	73.9	75.8	77.8	79.3	80.0	80.0	80.3	80.5	80.6	80.6	80.6	80.6	80.8	80.8	81.1
≥ 3000	1.2	74.6	76.7	78.7	80.3	81.2	81.7	82.1	82.3	82.6	82.6	82.6	82.7	82.7	82.9	83.0
≥ 2500	1.2	74.6	76.7	79.0	80.8	81.8	82.3	82.7	82.9	83.2	83.2	83.2	83.3	83.3	83.5	83.6
≥ 2000	1.2	76.0	78.1	80.3	82.1	83.2	83.6	84.1	84.2	84.5	84.5	84.5	84.7	84.7	84.8	85.0
≥ 1800	1.2	76.1	78.2	80.5	82.3	83.3	83.8	84.2	84.4	84.7	84.7	84.7	84.8	84.8	85.0	85.1
≥ 1500	1.2	76.9	79.0	81.5	83.3	84.4	84.8	85.3	85.4	85.7	85.7	85.7	85.9	85.9	86.2	86.3
≥ 1200	1.2	77.5	79.9	82.6	84.4	85.4	85.9	86.3	86.5	86.8	86.8	86.8	87.1	87.1	87.4	87.5
≥ 1000	1.2	77.9	80.3	83.3	85.1	86.2	86.8	87.4	87.5	88.3	88.4	88.4	89.0	89.0	89.3	89.5
≥ 900	1.2	78.1	80.6	83.6	85.4	86.5	87.1	87.7	87.8	88.6	88.7	88.7	89.3	89.3	89.6	89.8
≥ 800	1.2	78.5	81.1	84.1	86.0	87.1	87.8	88.6	88.9	89.6	89.8	89.8	90.4	90.4	90.7	90.8
≥ 700	1.2	78.5	81.1	84.1	86.0	87.1	87.8	88.7	89.0	89.8	89.9	89.9	90.5	90.5	90.8	91.0
≥ 600	1.2	78.5	81.2	84.4	86.5	87.7	88.6	89.5	89.8	90.5	90.7	90.7	91.3	91.3	91.6	91.7
≥ 500	1.2	78.5	81.2	84.5	86.8	88.3	89.2	90.1	90.4	91.1	91.3	91.3	92.0	92.0	92.3	92.5
≥ 400	1.2	78.5	81.2	84.8	87.1	88.7	90.2	91.4	91.7	92.5	92.6	92.6	93.5	93.5	93.8	94.0
≥ 300	1.2	78.5	81.2	84.8	87.4	89.3	91.0	92.6	92.9	93.7	93.8	93.8	95.2	95.2	95.8	96.1
≥ 200	1.2	78.5	81.2	84.8	87.4	89.3	91.0	92.6	93.1	94.3	94.4	94.4	96.1	96.1	96.8	97.1
≥ 100	1.2	78.5	81.2	84.8	87.4	89.5	91.1	92.8	93.2	94.4	94.7	94.9	96.4	96.8	97.9	99.4
≥ 0	1.2	78.5	81.4	85.0	87.5	89.6	91.3	92.9	93.4	94.6	94.9	95.0	96.5	97.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 666



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	2.0	49.4	50.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	2.0	58.5	59.8	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6
IV 18000	2.0	58.5	59.8	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6
IV 16000	2.0	58.6	60.0	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7
IV 14000	2.0	58.9	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
IV 12000	2.0	60.9	62.5	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.4	63.4
IV 10000	2.0	64.8	66.5	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.4	67.4
IV 9000	2.0	65.1	66.8	66.9	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.8	67.8
IV 8000	2.0	69.3	71.1	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.7	72.7
IV 7000	2.0	70.8	72.7	73.0	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9	74.9
IV 6000	2.0	71.3	73.1	73.4	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.4	75.4
IV 5000	2.0	72.1	74.2	74.5	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.4	76.4
IV 4500	2.0	73.0	75.2	75.7	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.6
IV 4000	2.0	74.9	77.8	78.2	80.4	80.4	80.4	80.5	80.5	80.7	80.7	80.7	80.7	80.7	81.0	81.0
IV 3500	2.0	75.7	78.5	79.0	81.3	81.3	81.3	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.9	81.9
IV 3000	2.0	76.9	79.8	80.2	82.9	83.1	83.1	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.7	83.7
IV 2500	2.0	77.3	80.2	80.7	83.4	83.5	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.1	84.4	84.4
IV 2000	2.0	77.5	80.5	81.1	83.8	84.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.6	84.9	84.9
IV 1800	2.0	77.6	80.7	81.3	84.0	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.7	84.7	85.0	85.0
IV 1500	2.0	78.2	81.4	82.0	84.7	84.9	85.0	85.5	85.5	85.8	85.8	85.8	86.0	86.0	86.3	86.3
IV 1200	2.0	78.4	81.6	82.3	85.0	85.2	85.3	85.8	85.8	86.1	86.1	86.1	86.3	86.3	86.6	86.6
IV 1000	2.0	79.2	82.3	83.1	86.0	86.3	86.6	87.0	87.0	87.3	87.3	87.3	87.6	87.6	87.9	87.9
IV 900	2.0	79.5	82.6	83.4	86.4	86.6	87.0	87.5	87.5	87.8	87.8	87.8	88.1	88.1	88.4	88.5
IV 800	2.0	79.5	82.9	83.7	86.9	87.0	87.5	88.1	88.1	88.4	88.4	88.4	88.7	88.7	89.0	89.1
IV 700	2.0	79.6	83.4	84.1	87.3	87.5	88.2	88.8	88.8	89.1	89.1	89.1	89.4	89.4	89.7	89.9
IV 600	2.0	79.6	83.5	84.4	87.8	87.9	89.1	89.9	89.9	90.3	90.5	90.5	90.8	90.8	91.1	91.2
IV 500	2.0	79.6	83.5	84.7	88.2	88.4	90.0	90.8	90.8	91.5	92.0	92.0	92.7	92.9	93.4	93.5
IV 400	2.0	79.6	83.7	84.9	88.8	89.0	90.8	92.0	92.0	93.1	93.8	93.8	94.7	94.9	95.5	95.6
IV 300	2.0	79.6	83.7	84.9	88.8	89.0	91.1	92.7	92.7	94.0	94.7	94.7	95.6	95.8	96.4	96.7
IV 200	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.7	97.1	97.7	98.2
IV 100	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.8	97.3	98.0	99.1
IV 0	2.1	79.8	83.8	85.0	89.0	89.1	91.2	92.9	92.9	94.1	95.0	95.0	96.8	97.3	98.0	99.1

TOTAL NUMBER OF OBSERVATIONS 662

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12400  
STATION

PAIUXENT RIVER NAS MD  
STATION NAME

75-80  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	2.1	49.4	50.0	50.0	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 18000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 14000	2.1	59.4	60.0	60.0	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	2.1	61.4	62.4	62.4	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	2.1	65.9	67.0	67.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	2.1	66.1	67.1	67.1	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	2.1	64.1	70.2	70.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	2.1	70.2	71.5	71.5	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	2.1	71.1	72.4	72.4	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	2.1	72.3	73.9	73.9	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4500	2.1	72.6	74.2	74.5	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4000	2.1	74.5	76.8	77.1	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3500	2.1	75.4	78.6	78.6	79.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	2.1	77.4	80.2	80.6	82.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	2.1	78.0	80.3	80.8	82.3	83.3	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	2.1	78.5	80.8	81.2	83.0	84.1	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800	2.1	78.5	80.8	81.2	83.0	84.1	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
IV 1500	2.1	74.8	82.1	82.7	84.5	86.1	86.5	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	2.1	80.6	83.3	84.1	85.9	87.4	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000	2.1	80.9	83.8	85.8	87.4	88.9	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	2.1	80.9	83.9	85.2	87.7	89.2	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	2.1	80.9	83.9	85.5	88.9	90.5	91.2	91.4	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8
IV 700	2.1	80.9	83.9	85.6	89.8	91.4	92.1	92.4	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0
IV 600	2.1	80.9	83.9	85.6	90.5	92.1	93.0	93.3	93.3	93.5	94.1	94.2	94.4	94.4	94.4	94.4
IV 500	2.1	80.9	83.9	85.6	90.9	92.6	94.1	94.4	94.4	94.5	95.3	95.8	95.9	96.1	96.1	96.4
IV 400	2.1	81.1	84.2	86.1	91.5	93.2	94.8	95.2	95.3	96.2	96.7	96.8	97.3	97.4	97.6	98.2
IV 300	2.1	81.1	84.2	86.1	91.5	93.3	95.2	95.5	95.6	96.7	97.1	97.3	97.9	98.0	98.2	98.8
IV 200	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.2	98.5	98.9	99.7
IV 100	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.3	98.6	99.2	100.0
IV 0	2.1	81.1	84.2	86.1	91.5	93.3	95.3	95.6	95.8	96.8	97.3	97.4	98.3	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 660

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040 PATUXENT RIVER NAS MD

73-80

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	1.6	50.3	50.6	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	1.6	60.9	62.0	62.4	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	1.6	61.2	62.3	62.7	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 16000	1.6	61.4	62.4	62.9	63.3	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	1.6	61.6	62.9	63.3	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	1.6	63.0	64.1	64.5	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	1.6	65.0	66.0	66.5	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000	1.6	65.4	66.5	66.9	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	1.6	68.0	69.2	69.6	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 7000	1.6	68.3	69.5	70.1	70.7	71.0	71.4	71.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	1.6	68.9	70.1	70.7	71.3	71.7	72.2	72.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	1.6	70.2	71.7	72.5	73.1	73.5	74.0	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	1.6	72.0	73.5	74.4	75.1	75.6	76.0	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	1.6	73.4	75.0	76.0	76.8	77.2	78.0	78.1	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	1.6	74.3	76.2	77.2	78.0	78.4	79.2	79.3	79.3	79.5	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.6	75.0	77.1	78.4	79.3	79.9	80.8	81.0	81.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	1.6	75.1	77.7	79.2	80.2	81.0	81.9	82.0	82.0	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	1.6	75.6	78.7	80.4	82.0	82.8	83.8	84.0	84.0	84.1	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	1.6	75.6	78.7	80.7	82.3	83.1	84.1	84.3	84.3	84.4	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	1.6	76.2	79.3	81.7	83.5	84.3	85.5	85.6	85.6	85.9	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	1.6	77.1	80.4	82.9	84.7	85.5	86.7	86.8	86.8	87.3	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.6	77.1	81.0	83.7	85.8	86.7	87.9	88.0	88.0	88.6	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	1.6	77.1	81.0	84.1	86.5	87.4	88.8	89.1	89.1	89.8	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	1.6	77.2	81.4	84.7	87.3	88.3	90.1	90.4	90.6	91.3	91.8	91.8	91.8	91.8	91.8	91.8
≥ 700	1.6	77.2	81.7	85.3	88.0	89.1	91.2	91.6	91.8	92.5	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	1.6	77.4	81.9	85.8	88.6	89.7	91.9	92.4	92.5	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	1.6	77.4	81.9	85.8	88.6	90.0	92.4	92.8	93.1	94.0	94.8	94.8	95.1	95.1	95.1	95.1
≥ 400	1.6	77.5	82.0	85.9	88.8	90.4	93.0	93.4	93.7	94.9	95.7	95.7	96.1	96.1	96.1	96.6
≥ 300	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.0	96.9	96.9	97.5	97.5	97.5	97.9
≥ 200	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.3	97.3	98.1	98.1	98.2	98.8
≥ 100	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.5	97.5	98.2	98.2	98.8	99.9
≥ 0	1.6	77.5	82.2	86.1	88.9	90.6	93.4	94.0	94.3	96.1	97.5	97.5	98.2	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 668

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	.5	54.6	55.5	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.3
≥ 20000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 18000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 16000	.5	62.3	63.4	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥ 14000	.5	62.3	63.5	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.5
≥ 12000	.5	64.1	65.4	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.3
≥ 10000	.5	65.4	66.6	67.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.5
≥ 9000	.5	65.4	66.6	67.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.5
≥ 8000	.5	68.1	69.3	70.6	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.7
≥ 7000	.5	64.7	70.0	71.6	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.5
≥ 6000	.5	69.3	70.7	72.2	72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.2
≥ 5000	.5	71.4	73.1	74.6	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.6
≥ 4500	.5	72.2	74.0	75.5	76.4	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.3
≥ 4000	.5	73.1	75.8	77.3	78.5	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.6
≥ 3500	.5	74.4	76.7	78.2	79.6	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.6
≥ 3000	.5	74.9	77.6	79.4	80.8	80.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.1
≥ 2500	.5	76.6	79.3	81.1	82.6	82.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.3
≥ 2000	.5	77.2	80.3	82.3	84.1	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.8
≥ 1800	.5	77.2	80.3	82.3	84.1	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.8
≥ 1500	.5	77.3	80.5	82.9	84.9	85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.7
≥ 1200	.5	77.3	80.5	82.9	84.9	85.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.8
≥ 1000	.5	77.6	80.9	83.8	86.1	86.5	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.2	88.4
≥ 900	.5	77.6	80.9	83.8	86.1	86.5	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.4	88.5
≥ 800	.5	77.6	81.1	84.1	86.4	86.8	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	89.0	89.1
≥ 700	.5	77.8	81.5	84.7	87.3	87.7	90.0	90.0	90.0	90.2	90.5	90.5	90.5	90.5	90.6	90.8
≥ 600	.5	77.9	81.8	85.0	87.9	88.4	90.8	90.8	90.8	91.2	91.7	91.7	91.8	91.8	92.0	92.1
≥ 500	.5	78.4	82.6	86.1	89.1	89.7	92.1	92.1	92.1	92.7	93.3	93.3	93.5	93.5	93.6	93.8
≥ 400	.5	78.4	82.6	86.1	89.6	90.2	92.7	92.9	92.9	93.5	94.3	94.4	94.6	94.6	94.7	95.0
≥ 300	.5	78.4	82.6	86.1	89.6	90.2	92.7	92.9	92.9	93.8	94.6	94.7	94.9	95.0	95.6	95.9
≥ 200	.5	78.4	82.6	86.1	89.6	90.2	92.7	93.0	93.0	94.1	95.0	95.2	95.5	95.6	96.4	96.7
≥ 100	.5	78.4	82.6	86.1	89.6	90.2	93.0	93.3	93.3	94.4	95.3	95.5	96.1	96.2	97.4	98.8
≥ 0	.5	78.4	82.6	86.1	89.6	90.2	93.0	93.3	93.3	94.4	95.3	95.5	96.1	96.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 661

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72440  
STATION

PAUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS, LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING		57.4	57.9	59.4	59.8	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000		61.1	61.8	63.3	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 18000		61.1	61.8	63.3	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000		61.1	61.8	63.3	63.8	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000		61.5	62.3	63.9	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		62.6	63.3	65.0	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000		66.9	67.7	69.3	69.9	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 9000		67.1	67.8	69.5	70.1	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000		69.2	69.9	72.0	72.6	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.4
≥ 7000		70.1	70.8	72.9	73.5	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.5
≥ 6000		70.8	71.6	73.7	74.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.0
≥ 5000		71.6	72.3	74.4	75.0	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8
≥ 4500		74.1	75.5	77.7	78.5	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.2
≥ 4000		75.9	77.6	80.0	80.9	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.7
≥ 3500		76.2	77.9	80.3	81.2	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.0
≥ 3000		76.4	78.3	80.9	81.8	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6
≥ 2500		76.8	78.8	81.7	82.6	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3
≥ 2000		77.6	79.7	82.7	83.9	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.7
≥ 1800		77.7	79.8	82.9	84.1	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8
≥ 1500		78.5	80.8	84.2	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5
≥ 1200		78.8	81.1	84.5	86.2	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
≥ 1000		79.4	81.8	85.4	87.2	87.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.4
≥ 900		79.5	82.1	85.9	87.7	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0
≥ 800		79.7	82.3	86.0	87.8	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.2
≥ 700		80.0	82.6	86.5	88.3	88.9	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.2
≥ 600		80.0	82.6	86.5	88.4	89.3	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.8
≥ 500		80.5	83.2	87.4	89.8	90.8	91.6	92.0	92.0	92.0	92.3	92.3	92.6	92.6	92.6	92.9
≥ 400		80.5	83.3	87.7	90.7	92.0	92.9	93.7	93.7	93.7	94.0	94.0	94.3	94.3	94.4	94.7
≥ 300		80.6	83.8	88.3	91.4	93.1	94.0	95.2	95.2	95.2	95.5	95.5	95.8	95.8	96.1	96.4
≥ 200		80.6	83.9	88.4	91.7	93.4	94.3	95.5	95.5	95.5	95.8	95.8	96.1	96.1	96.4	96.7
≥ 100		80.6	83.9	88.4	91.7	93.5	94.4	96.1	96.1	96.1	96.4	96.4	96.8	96.8	97.6	98.6
≥ 0		80.6	83.9	88.4	91.7	93.5	94.4	96.1	96.1	96.1	96.4	96.4	96.8	96.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.9	52.2	53.0	53.7	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 20000	.9	60.0	61.0	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	.9	60.1	61.1	61.9	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
IV 16000	.9	60.1	61.2	61.9	62.4	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
IV 14000	.9	60.5	61.4	62.2	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1
IV 12000	.9	61.7	63.0	63.9	64.3	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8
IV 10000	.9	65.5	66.9	67.7	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6
IV 9000	.9	65.8	67.1	68.0	68.5	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
IV 8000	.9	68.7	70.1	71.1	71.8	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.5
IV 7000	.9	69.5	71.0	72.1	72.9	73.2	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.7
IV 6000	.9	70.0	71.5	72.6	73.5	73.8	73.9	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.3
IV 5000	.9	71.1	72.8	74.0	74.8	75.1	75.3	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.8
IV 4500	.9	72.4	74.3	75.6	76.6	76.9	77.1	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.5	77.5
IV 4000	.9	74.3	76.6	78.0	79.1	79.5	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.2	80.2
IV 3500	.9	75.0	77.3	78.7	79.9	80.3	80.5	80.7	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.1
IV 3000	.9	75.4	78.4	79.4	81.2	81.7	82.1	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.7
IV 2500	.9	76.5	79.5	80.7	82.1	82.6	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.8
IV 2000	.9	77.2	80.0	81.7	83.4	83.9	84.4	84.6	84.6	84.7	84.8	84.8	84.9	84.9	85.0	85.0
IV 1800	.9	77.3	80.1	81.9	83.5	84.1	84.5	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.1	85.2
IV 1500	.9	78.0	80.8	82.8	84.6	85.1	85.7	85.9	86.0	86.1	86.2	86.2	86.3	86.3	86.4	86.5
IV 1200	.9	78.5	81.5	83.6	85.4	86.0	86.5	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 1000	.9	79.0	82.1	84.4	86.5	87.1	87.9	88.1	88.2	88.5	88.6	88.6	88.7	88.7	88.9	89.0
IV 900	.9	79.1	82.4	84.7	86.9	87.5	88.3	88.6	88.7	89.1	89.2	89.2	89.3	89.3	89.4	89.5
IV 800	.9	79.3	82.6	85.1	87.4	88.1	89.0	89.4	89.4	89.8	89.9	90.0	90.1	90.1	90.2	90.3
IV 700	.9	79.4	82.8	85.4	87.9	88.6	89.7	90.1	90.2	90.6	90.7	90.8	90.9	90.9	91.0	91.1
IV 600	.9	79.4	83.0	85.7	88.4	89.2	90.4	90.8	90.9	91.4	91.6	91.6	91.8	91.8	91.9	92.0
IV 500	.9	79.6	83.2	86.1	89.0	89.9	91.3	91.8	91.9	92.5	92.9	92.9	93.2	93.2	93.4	93.5
IV 400	.9	79.7	83.5	86.5	89.7	90.7	92.3	93.0	93.1	93.8	94.2	94.2	94.6	94.7	95.0	95.2
IV 300	.9	79.8	83.6	86.6	90.1	91.2	92.9	93.9	94.0	94.8	95.3	95.3	95.8	95.9	96.3	96.6
IV 200	1.0	79.8	83.6	86.7	90.2	91.4	93.2	94.1	94.3	95.2	95.7	95.8	96.5	96.7	97.2	97.6
IV 100	1.0	79.8	83.6	86.7	90.2	91.4	93.2	94.3	94.5	95.5	96.1	96.1	97.0	97.2	98.0	99.3
IV 0	1.0	79.8	83.7	86.7	90.2	91.4	93.2	94.3	94.5	95.5	96.1	96.1	97.0	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 5517

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.1	49.7	50.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	.1	54.3	54.7	56.1	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 14000	.1	54.7	55.1	56.5	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	.1	55.4	55.8	57.2	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	.1	61.0	61.4	62.8	63.3	63.3	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.9
IV 9000	.1	61.1	61.6	62.9	63.5	63.5	63.6	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	64.0
IV 8000	.1	65.4	65.8	67.3	68.0	68.0	68.1	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.7
IV 7000	.1	66.6	67.0	68.5	69.2	69.2	69.4	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.9
IV 6000	.1	67.0	67.4	68.9	69.6	69.6	69.8	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.3
IV 5000	.1	68.1	68.8	70.5	71.3	71.3	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	72.0
IV 4500	.1	70.6	71.7	73.6	74.4	74.4	74.6	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.1
IV 4000	.1	72.6	74.0	76.3	77.2	77.2	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8
IV 3500	.1	72.9	74.3	76.7	77.8	77.8	78.0	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.7
IV 3000	.1	75.0	76.5	79.3	80.6	80.6	80.7	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.4
IV 2500	.3	75.8	77.4	80.4	81.7	81.7	81.8	82.1	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.5
IV 2000	.3	76.3	78.1	81.7	82.9	82.9	83.0	83.3	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.7
IV 1800	.3	76.5	78.9	82.1	83.4	83.4	83.6	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.3
IV 1500	.3	76.9	79.3	82.6	84.3	84.3	84.4	84.7	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.1
IV 1200	.3	77.2	79.6	83.2	84.8	84.8	85.0	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.6
IV 1000	.3	78.0	81.1	85.4	87.1	87.1	87.3	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	88.0
IV 900	.3	78.1	81.5	86.0	87.8	88.0	88.4	88.6	88.6	88.8	88.9	88.9	88.9	88.9	88.9	89.1
IV 800	.3	78.1	81.7	86.5	88.2	88.4	88.9	89.2	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.6
IV 700	.3	78.5	82.2	87.1	89.2	89.3	90.0	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.7
IV 600	.3	78.8	82.5	87.4	89.6	89.7	90.6	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.2
IV 500	.3	78.9	82.8	88.0	90.2	90.4	91.2	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.9
IV 400	.3	79.1	83.0	88.6	91.2	91.7	92.7	93.0	93.0	93.3	93.6	93.6	93.7	93.7	93.7	93.8
IV 300	.3	79.2	83.2	88.8	91.7	92.5	93.8	94.1	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.2
IV 200	.3	79.2	83.2	88.8	91.8	92.6	94.1	94.4	94.4	95.1	95.8	95.8	96.2	96.2	96.3	96.4
IV 100	.3	79.2	83.2	88.8	91.9	92.9	94.4	94.7	94.7	95.5	96.3	96.3	96.9	97.0	98.1	99.2
IV 0	.3	79.2	83.2	88.8	91.9	92.9	94.4	94.7	94.7	95.5	96.3	96.3	96.9	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

724-140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAX  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		45.5	46.4	48.5	49.2	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.0
≥ 20000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6
≥ 18000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6
≥ 16000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6
≥ 14000		51.5	52.8	55.0	55.8	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6
≥ 12000		51.8	53.2	55.4	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0
≥ 10000		56.1	57.7	59.9	60.9	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
≥ 9000		56.2	57.9	60.1	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.8
≥ 8000		61.5	62.9	65.2	66.1	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.9
≥ 7000		62.1	63.8	66.0	66.9	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.8
≥ 6000		62.1	63.8	66.0	66.9	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.8
≥ 5000		62.9	64.6	66.8	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6
≥ 4500		65.2	66.8	69.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.9
≥ 4000		66.8	68.5	70.9	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7
≥ 3500		67.2	69.0	71.5	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.3
≥ 3000		68.2	70.8	73.8	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.8
≥ 2500		69.6	72.6	76.0	77.3	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.2
≥ 2000		69.8	73.3	77.0	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.9
≥ 1800		70.1	73.6	77.3	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	80.2
≥ 1500		70.8	74.4	78.2	80.4	80.9	81.0	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.7
≥ 1200		70.9	74.7	78.7	81.0	81.4	81.7	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.4
≥ 1000		71.5	75.5	79.6	82.1	82.5	82.9	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.6
≥ 900		72.0	76.2	80.7	83.3	83.9	84.3	84.4	84.4	84.4	84.4	84.7	84.7	84.7	84.7	85.1
≥ 800		72.5	77.3	81.7	84.4	85.0	85.4	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	86.2
≥ 700		72.6	77.4	82.4	85.4	86.0	86.4	86.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8	87.3
≥ 600		72.6	77.4	82.5	85.5	86.2	86.6	86.8	86.8	86.8	86.8	87.1	87.3	87.3	87.3	87.7
≥ 500		72.9	77.7	83.1	86.5	87.3	88.2	88.8	88.8	88.8	88.8	89.4	89.7	89.7	89.7	90.1
≥ 400		72.9	77.7	83.2	87.3	88.3	89.1	90.1	90.1	90.1	90.1	90.8	91.2	91.2	91.6	92.1
≥ 300		72.9	77.7	83.2	87.6	88.7	89.7	90.8	90.8	90.8	90.8	92.0	92.7	92.7	93.4	93.9
≥ 200		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.7	91.7	91.7	93.3	93.9	94.1	94.8	95.6
≥ 100		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.7	91.7	91.7	93.3	94.1	94.2	96.0	96.5
≥ 0		72.9	77.7	83.5	88.2	89.5	90.5	91.7	91.7	91.7	91.7	93.3	94.1	94.2	96.0	96.5

TOTAL NUMBER OF OBSERVATIONS

726



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12-40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.1	39.1	39.6	41.4	43.0	43.1	43.7	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.5	44.6
≥ 20000	1.1	45.1	47.1	49.0	50.6	50.8	51.3	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 18000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 16000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 14000	1.0	45.2	47.1	49.1	50.8	50.9	51.5	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.6
IV 12000	1.0	46.3	48.3	50.2	52.0	52.2	52.7	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.7	53.8
IV 10000	1.0	51.0	54.1	56.1	57.9	58.0	58.8	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.8	59.9
IV 9000	1.0	51.5	54.8	56.7	58.6	58.7	59.5	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.5	60.6
IV 8000	1.0	55.2	58.8	60.9	62.9	63.0	63.8	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.8	65.0
IV 7000	1.0	55.9	59.5	61.6	63.6	63.7	64.5	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.5	65.8
IV 6000	1.0	56.7	60.4	62.4	64.4	64.5	65.4	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.3	66.6
IV 5000	1.1	57.9	61.6	63.8	65.9	66.2	67.0	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.2	68.4
IV 4500	1.1	59.8	63.6	65.8	67.9	68.2	69.1	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.2	70.5
IV 4000	1.1	62.3	66.3	68.6	70.7	70.9	71.9	72.6	72.6	72.9	72.9	72.9	72.9	72.9	73.0	73.3
IV 3500	1.1	63.3	67.5	69.7	72.3	72.6	73.9	74.5	74.5	74.8	74.8	74.8	74.8	74.8	75.0	75.2
IV 3000	1.1	64.5	69.0	71.5	74.3	75.0	76.2	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.3	77.6
IV 2500	1.1	65.5	70.2	72.9	75.7	76.4	77.6	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.7	79.0
IV 2000	1.1	66.3	71.2	74.1	77.3	78.0	79.4	80.1	80.1	80.5	80.7	80.7	80.7	80.7	80.8	81.1
IV 1800	1.1	66.3	71.2	74.3	77.5	78.2	79.6	80.3	80.3	80.7	80.8	80.8	80.8	80.8	80.9	81.2
IV 1500	1.1	66.8	71.6	75.0	78.3	79.0	80.4	81.2	81.2	81.6	81.8	81.8	81.9	81.9	82.1	82.3
IV 1200	1.1	66.9	72.0	75.4	78.9	79.6	80.9	81.8	81.8	82.2	82.3	82.3	82.5	82.5	82.6	82.9
IV 1000	1.1	67.3	73.0	77.1	80.8	81.5	83.2	84.1	84.1	84.6	84.7	84.7	84.8	84.8	85.0	85.3
IV 900	1.1	67.3	73.2	77.5	81.4	82.1	83.9	84.8	84.8	85.3	85.4	85.4	85.5	85.5	85.7	86.0
IV 800	1.1	67.3	73.3	77.7	82.2	82.9	84.7	86.0	86.0	86.5	86.6	86.6	86.8	86.8	86.9	87.2
IV 700	1.3	67.5	73.6	78.3	82.8	83.4	85.3	86.5	86.5	87.2	87.5	87.5	87.6	87.6	87.8	88.0
IV 600	1.3	67.6	73.9	78.6	83.4	84.3	86.2	87.8	87.8	88.6	88.9	88.9	89.0	89.0	89.2	89.4
IV 500	1.3	67.6	74.0	78.7	83.7	84.7	86.9	88.5	88.5	89.7	90.0	90.0	90.1	90.1	90.4	90.7
IV 400	1.3	67.6	74.0	79.0	84.1	85.3	87.9	89.4	89.4	90.8	91.4	91.4	91.7	91.7	91.9	92.4
IV 300	1.3	67.6	74.0	79.0	84.1	85.3	88.2	89.8	89.8	91.5	92.4	92.5	92.8	92.8	93.0	93.5
IV 200	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	93.9	94.0	94.3	94.3	95.5	96.4
IV 100	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	94.0	94.2	95.4	95.8	97.4	99.2
IV 0	1.3	67.6	74.0	79.0	84.1	85.4	88.3	90.4	90.5	92.5	94.0	94.2	95.4	95.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 719

USAF CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72440 PATUXENT RIVER NAS MD

73-80

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	1.6	40.7	41.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	1.6	49.1	53.6	52.1	52.4	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	1.6	49.4	51.0	52.5	52.8	52.8	53.1	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	1.6	49.7	51.3	52.8	53.1	53.1	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	1.6	50.1	51.7	53.2	53.5	53.5	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	1.6	51.9	53.5	55.0	55.6	55.6	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	1.6	57.5	59.1	60.6	61.2	61.2	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	1.6	57.5	59.1	60.6	61.2	61.2	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	1.6	60.6	62.7	64.2	64.7	64.7	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	1.6	62.0	64.2	65.8	66.5	66.5	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 6000	1.6	62.6	64.7	66.4	67.1	67.1	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.8
≥ 5000	2.1	65.6	67.8	69.4	70.4	70.5	70.8	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2
≥ 4500	2.1	65.8	68.0	70.0	71.1	71.2	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	72.0
≥ 4000	2.1	68.4	70.8	72.7	74.2	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 3500	2.2	70.2	72.6	74.6	76.3	76.5	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥ 3000	2.2	72.4	74.9	77.4	79.3	79.6	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 2500	2.2	73.1	75.7	78.6	80.7	81.1	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 2000	2.2	73.5	76.1	79.0	81.1	81.5	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1800	2.2	73.5	76.1	79.0	81.1	81.5	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1500	2.2	73.9	77.2	80.2	82.6	83.0	83.5	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1200	2.2	74.5	78.2	81.2	83.7	84.6	85.2	85.3	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.9
≥ 1000	2.2	74.5	78.9	82.2	84.8	85.9	86.4	86.8	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.5
≥ 900	2.2	74.6	79.0	82.4	85.2	86.6	87.1	87.5	87.5	87.8	88.1	88.1	88.1	88.1	88.1	88.2
≥ 800	2.2	74.6	79.0	82.4	85.2	86.7	87.4	87.8	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.9
≥ 700	2.2	74.6	79.0	82.4	85.2	86.7	87.4	87.8	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.9
≥ 600	2.2	74.6	79.1	82.7	85.7	87.8	88.6	89.2	89.2	89.8	90.7	90.7	90.8	90.8	90.8	90.9
≥ 500	2.2	74.6	79.1	82.9	86.0	88.2	89.2	89.8	89.8	90.8	91.8	91.8	92.2	92.2	92.3	92.6
≥ 400	2.2	74.6	79.1	82.9	86.0	88.2	89.3	90.3	90.3	91.5	93.2	93.0	93.7	93.7	94.0	94.2
≥ 300	2.2	74.6	79.1	82.9	86.3	88.5	89.6	90.9	90.9	92.7	94.4	94.4	95.1	95.1	95.6	95.9
≥ 200	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	98.9
≥ 100	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	98.9
≥ 0	2.2	74.6	79.1	82.9	86.4	88.6	90.0	91.8	91.8	93.8	95.5	95.5	96.8	97.1	98.2	98.9

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VIS

73-80 PAIUFENI RIVER NAS MU  
STATION STATION NAME

73-80 YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05
NO CEILING	2.2	38.2	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 20000	2.2	48.8	50.8	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IN 18000	2.2	49.0	51.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IN 6000	2.2	49.7	51.9	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IN 14000	2.2	50.1	52.3	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IN 12000	2.2	51.2	53.6	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IN 10000	2.2	55.9	58.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IN 9000	2.2	56.0	58.8	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IN 8000	2.2	58.9	62.2	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IN 7000	2.2	59.7	63.2	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IN 6000	2.2	60.8	64.4	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IN 5000	2.2	62.1	65.8	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IN 4500	2.2	62.7	66.6	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IN 4000	2.2	65.9	69.9	71.8	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IN 3500	2.6	69.6	72.7	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IN 3000	2.6	72.1	77.1	79.2	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IN 2500	2.6	73.0	78.2	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IN 2000	2.6	73.7	79.0	81.4	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 1800	2.6	74.0	79.3	81.8	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 1500	2.6	74.4	80.1	82.7	84.1	84.2	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8
IN 1200	2.6	74.8	80.7	83.3	85.2	85.3	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0
IN 1000	2.6	75.2	81.1	84.4	86.7	86.8	87.3	87.7	87.8	87.8	87.9	87.9	88.1	88.1
IN 900	2.6	75.3	81.2	84.7	87.0	87.1	87.5	87.9	88.2	88.4	88.5	88.5	88.6	88.6
IN 800	2.6	75.3	81.4	85.3	88.2	88.4	89.0	89.5	89.7	90.0	90.1	90.1	90.3	90.3
IN 700	2.6	75.5	81.5	85.5	88.8	88.9	89.6	90.4	90.7	91.1	91.2	91.2	91.4	91.4
IN 600	2.6	75.8	81.8	86.0	90.0	90.7	91.5	92.9	93.2	94.0	94.4	94.4	94.5	94.5
IN 500	2.6	75.9	81.9	86.2	90.4	91.4	92.5	94.5	94.8	96.0	96.6	96.6	96.7	96.7
IN 400	2.6	75.9	81.9	86.2	90.4	91.4	92.6	94.8	95.1	96.4	97.0	97.0	97.1	97.1
IN 300	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.5	97.5	98.1	98.1
IN 200	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0
IN 100	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0
IN 0	2.6	75.9	81.9	86.3	90.5	91.6	92.9	95.1	95.3	96.7	97.9	98.1	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124043  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	1.1	39.5	40.8	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	1.1	51.0	52.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	1.1	51.0	52.7	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	1.1	51.7	53.4	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	1.1	52.8	54.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	1.1	54.2	55.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	1.1	57.0	59.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 9000	1.1	57.3	59.2	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	1.1	61.3	63.2	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	1.1	63.7	65.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	1.1	64.6	66.6	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	1.4	66.3	68.4	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	1.4	68.8	71.0	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	1.4	71.3	73.7	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3500	1.4	72.6	75.1	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	1.5	76.5	79.5	81.9	81.9	81.9	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	1.6	77.2	80.6	83.0	83.0	83.0	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	1.6	77.6	81.7	84.4	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	1.6	77.8	81.9	84.7	84.7	84.7	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	1.5	78.7	82.8	85.5	85.5	85.5	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7
≥ 1200	1.6	78.8	82.9	86.2	86.2	86.2	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.8
≥ 1000	1.6	79.2	83.9	87.3	87.3	87.3	88.9	89.1	89.1	89.5	89.5	89.5	89.5	89.6	89.6	89.7
≥ 900	1.6	79.6	84.5	88.0	88.0	88.0	90.0	90.2	90.2	90.7	90.7	90.7	90.7	90.8	90.8	91.0
≥ 800	1.6	79.8	84.8	88.8	88.8	88.8	90.5	91.1	91.2	91.2	91.8	91.8	91.8	91.9	91.9	92.1
≥ 700	1.6	80.0	85.1	89.3	89.3	89.3	91.5	92.5	92.7	92.7	93.3	93.3	93.3	93.4	93.4	93.6
≥ 600	1.6	80.3	85.5	89.7	89.7	89.7	91.4	92.7	93.8	94.3	94.8	94.8	94.8	94.9	94.9	95.1
≥ 500	1.6	80.4	85.6	90.0	90.0	90.0	91.7	93.0	94.3	94.8	95.1	95.6	95.6	95.8	95.8	95.9
≥ 400	1.6	80.6	85.8	90.2	90.2	90.2	91.8	93.2	94.4	95.3	95.6	96.2	96.2	96.2	96.3	96.6
≥ 300	1.6	80.6	85.8	90.2	90.2	90.2	91.9	93.3	94.7	95.8	96.0	96.7	96.7	97.0	97.0	97.3
≥ 200	1.6	80.6	85.8	90.2	90.2	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.5
≥ 100	1.6	80.6	85.8	90.2	90.2	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.9
≥ 0	1.6	80.6	85.8	90.2	90.2	90.2	91.9	93.3	94.7	95.9	96.2	96.9	97.0	97.0	98.1	98.9

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	.4	46.0	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1
≥ 20000	.4	53.6	55.5	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5
≥ 18000	.4	53.7	55.6	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
≥ 16000	.4	53.7	55.6	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
≥ 14000	.4	54.4	56.6	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 12000	.4	56.5	58.7	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8
≥ 10000	.4	59.8	62.1	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2
≥ 9000	.4	59.8	62.1	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2
≥ 8000	.4	65.4	67.7	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2
≥ 7000	.4	66.9	69.2	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
≥ 6000	.4	67.4	69.8	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 5000	.5	68.7	71.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 4500	.5	70.6	73.4	74.5	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥ 4000	.5	75.1	76.1	77.2	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
≥ 3500	.5	73.9	77.1	78.2	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
≥ 3000	.5	76.2	79.9	81.2	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 2500	.5	77.7	81.9	83.4	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5
≥ 2000	.5	78.7	83.2	85.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7
≥ 1800	.5	78.8	83.4	85.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
≥ 1500	.5	79.0	83.5	85.7	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
≥ 1200	.5	79.1	83.9	86.4	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2
≥ 1000	.5	79.8	84.9	87.4	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3
≥ 900	.5	79.8	84.9	87.4	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
≥ 800	.5	80.2	85.4	88.3	90.7	90.7	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.2
≥ 700	.5	80.5	86.0	89.1	91.6	91.6	92.3	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.7
≥ 600	.5	80.5	86.0	89.6	92.0	92.0	92.9	93.0	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.5
≥ 500	.5	80.9	86.4	90.0	92.9	92.9	93.8	94.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.8
≥ 400	.5	80.9	86.5	90.2	93.4	93.5	94.5	94.8	94.8	95.3	95.6	95.6	95.6	95.9	95.9	96.0
≥ 300	.5	81.0	86.7	90.4	93.5	93.7	94.8	95.2	95.2	96.2	96.4	96.4	97.0	97.0	97.1	97.3
≥ 200	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.4	96.8	97.0	97.7	97.7	97.8	98.4
≥ 100	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.7	97.1	97.3	98.2	98.4	98.9	99.5
≥ 0	.5	81.0	86.7	90.4	93.5	93.8	94.9	95.3	95.3	96.7	97.1	97.3	98.2	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PAUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.1	50.5	51.8	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	.1	54.4	56.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	.1	54.6	56.2	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	.1	55.8	57.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	.1	61.5	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	.1	61.5	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000	.1	66.7	68.8	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	.1	68.1	70.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 6000	.1	68.8	70.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	.1	70.4	72.7	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500	.1	71.9	74.2	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	.1	74.1	76.5	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	.1	74.6	77.4	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	.1	75.4	78.2	80.2	80.5	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	.1	77.2	80.2	82.3	82.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	.1	78.0	81.7	83.8	84.2	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	.1	78.4	82.3	84.3	84.7	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	.1	79.4	83.4	85.4	85.8	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	.1	79.9	84.0	86.4	86.8	86.8	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000	.1	80.6	85.3	88.5	88.7	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	.1	80.9	85.5	89.2	89.8	89.8	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 800	.1	81.0	85.9	89.6	90.6	90.6	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	.1	81.0	86.1	90.2	91.1	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 600	.1	81.2	86.5	90.9	92.4	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	.1	81.6	86.9	91.7	93.2	93.2	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 400	.1	81.6	86.9	91.7	93.5	93.5	94.3	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	.1	81.7	87.0	92.0	93.9	94.1	95.0	95.4	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.3	97.3	97.4	97.4
≥ 100	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.7	98.0	98.6	99.3
≥ 0	.1	81.7	87.0	92.0	93.9	94.1	95.1	95.9	95.9	96.5	96.7	96.7	97.7	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

753

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
A1- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12-140 PATUXENT RIVER NAS MD

73-80

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	.5	43.5	44.8	45.8	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4
≥ 20000	.8	51.0	52.5	53.8	54.2	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 18000	.9	51.1	52.7	53.9	54.4	54.4	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9
≥ 16000	.3	51.3	52.9	54.1	54.6	54.6	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.1
≥ 14000	.4	51.7	53.3	54.6	55.0	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 12000	.4	52.9	54.5	55.8	56.4	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
≥ 10000	.4	57.5	59.4	60.8	61.4	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥ 9000	.8	57.6	59.6	61.0	61.6	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.1
≥ 8000	.8	61.9	64.0	65.6	66.2	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.8
≥ 7000	.8	63.2	65.4	67.0	67.6	67.7	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2
≥ 6000	.8	63.8	66.0	67.6	68.3	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.9
≥ 5000	.4	65.3	67.6	69.3	70.0	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.7
≥ 4500	.9	66.9	69.4	71.2	71.9	72.0	72.2	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 4000	.9	69.3	72.0	73.9	74.8	74.8	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5
≥ 3500	1.0	70.4	73.2	75.3	76.2	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.1
≥ 3000	1.0	72.6	75.8	78.1	79.2	79.3	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1
≥ 2500	1.1	73.7	77.1	79.6	80.8	81.0	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.8
≥ 2000	1.1	74.3	78.1	80.8	82.2	82.4	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.3
≥ 1800	1.1	74.5	78.4	81.1	82.5	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.6
≥ 1500	1.1	75.0	79.1	81.9	83.6	83.8	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.7	84.7	84.8
≥ 1200	1.1	75.3	79.5	82.6	84.3	84.7	85.1	85.3	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.8
≥ 1000	1.1	75.8	80.5	84.0	85.9	86.2	86.8	87.1	87.1	87.3	87.4	87.4	87.4	87.4	87.5	87.6
≥ 900	1.1	76.0	80.8	84.5	86.5	87.0	87.6	87.9	88.0	88.2	88.3	88.3	88.3	88.3	88.4	88.5
≥ 800	1.1	76.1	81.1	85.1	87.4	87.9	88.6	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.5	89.6
≥ 700	1.1	76.3	81.4	85.6	88.1	88.6	89.4	89.9	89.9	90.3	90.4	90.4	90.5	90.5	90.5	90.7
≥ 600	1.1	76.4	81.6	85.9	88.8	89.5	90.4	91.0	91.0	91.5	91.7	91.7	91.8	91.8	91.8	92.0
≥ 500	1.1	76.6	81.8	86.3	89.3	90.1	91.2	92.0	92.1	92.7	93.0	93.0	93.2	93.2	93.3	93.4
≥ 400	1.1	76.7	81.9	86.5	89.7	90.6	91.9	92.8	92.9	93.7	94.1	94.1	94.4	94.4	94.5	94.7
≥ 300	1.1	76.7	81.9	86.6	90.0	91.0	92.3	93.4	93.5	94.5	95.1	95.2	95.6	95.6	95.7	95.9
≥ 200	1.1	76.7	81.9	86.6	90.1	91.1	92.6	93.8	93.9	94.0	95.1	95.9	96.0	96.9	97.0	97.9
≥ 100	1.1	76.7	81.9	86.6	90.1	91.2	92.6	93.9	94.0	95.2	96.1	96.2	97.3	97.5	98.4	99.4
≥ 0	1.1	76.7	81.9	86.6	90.1	91.2	92.6	93.9	94.0	95.2	96.1	96.2	97.3	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5827

USAF ETAC FORM 12-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

72440  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.4	55.3	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥20000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥18000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥16000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥14000	.4	62.6	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥12000	.4	63.5	65.3	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥10000	.4	68.3	70.6	71.3	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥9000	.4	68.6	70.9	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥8000	.4	74.9	77.3	78.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥7000	.4	76.0	79.4	79.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥6000	.4	77.4	79.8	80.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥5000	.4	79.1	81.7	82.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥4500	.4	80.1	82.7	83.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥4000	.4	82.2	85.2	86.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥3500	.4	83.0	85.9	87.4	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥3000	.4	83.9	87.4	88.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥2500	.4	84.5	88.1	89.6	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥2000	.4	84.8	88.5	90.2	91.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥1800	.4	84.9	88.6	90.3	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥1500	.4	85.4	89.3	91.2	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥1200	.4	85.7	89.6	91.6	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥1000	.4	86.9	91.1	93.2	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥900	.4	86.9	91.1	93.5	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥800	.4	87.2	91.6	94.3	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥700	.4	87.2	91.6	94.3	95.9	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥600	.4	87.6	92.0	94.9	96.4	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥500	.4	87.8	92.2	95.3	97.0	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥400	.4	88.1	92.5	95.6	97.4	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥300	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥200	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥100	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥0	.4	88.1	92.5	95.6	97.9	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 709



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724.40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	.1	54.6	57.2	58.0	58.7	58.9	59.2	59.3	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6
≥ 20000	.1	54.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
≥ 18000	.1	58.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
≥ 16000	.1	58.0	60.9	61.9	62.6	62.7	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4
≥ 14000	.1	58.3	61.2	62.2	62.9	63.0	63.3	63.4	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7
≥ 12000	.1	58.7	61.6	62.7	63.4	63.6	63.9	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3
≥ 10000	.1	64.0	67.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6
≥ 9000	.1	64.0	67.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.6	70.6
≥ 8000	.1	70.0	75.5	75.1	76.1	76.7	77.0	77.1	77.1	77.2	77.2	77.4	77.4	77.4	77.5	77.5
≥ 7000	.1	71.3	75.0	76.7	77.7	78.2	78.5	78.7	78.7	78.8	78.8	78.9	78.9	78.9	79.1	79.1
≥ 6000	.1	71.6	75.2	77.0	78.0	78.5	78.8	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.4	79.4
≥ 5000	.1	73.3	77.1	78.8	79.8	80.4	80.7	80.8	80.8	80.9	80.9	81.1	81.1	81.1	81.2	81.2
IV 4500	.1	74.1	78.0	79.7	80.7	81.2	81.5	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.1	82.1
IV 4000	.1	76.5	80.7	82.4	83.6	84.2	84.5	84.6	84.6	84.8	84.8	84.9	84.9	84.9	85.1	85.1
IV 3500	.1	78.2	82.5	84.4	85.6	86.2	86.5	86.6	86.6	86.8	86.8	86.9	86.9	86.9	87.1	87.1
IV 3000	.1	79.8	84.4	86.3	87.6	88.2	88.6	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.2	89.2
IV 2500	.1	80.8	85.3	87.3	88.6	89.2	89.6	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.2	90.2
IV 2000	.1	80.9	85.8	87.8	89.0	89.6	90.0	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6
IV 1800	.1	80.9	85.8	87.8	89.0	89.6	90.0	90.2	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6
IV 1500	.1	81.7	86.9	89.0	90.5	91.0	91.5	91.6	91.6	91.7	91.7	91.9	91.9	91.9	92.0	92.0
IV 1200	.1	82.2	87.8	90.0	91.6	92.2	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.2	93.2
IV 1000	.1	82.8	88.5	91.2	93.0	93.6	94.0	94.2	94.2	94.3	94.3	94.5	94.5	94.5	94.6	94.6
IV 900	.1	82.8	88.6	91.3	93.3	93.9	94.3	94.5	94.5	94.6	94.6	94.7	94.7	94.7	94.9	94.9
IV 800	.1	83.1	89.0	92.0	94.2	94.7	95.2	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7
IV 700	.1	83.4	89.3	92.3	94.5	95.0	95.4	95.6	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0
IV 600	.1	83.5	89.5	92.9	95.3	95.9	96.3	96.4	96.4	96.6	96.6	96.7	96.7	96.7	96.9	96.9
IV 500	.1	83.8	89.9	93.5	95.9	96.6	97.0	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.7	97.7
IV 400	.1	83.9	90.0	93.9	96.4	97.2	97.6	97.7	97.7	98.0	98.0	98.2	98.2	98.2	98.3	98.3
IV 300	.1	83.9	90.0	93.9	96.4	97.2	97.9	98.0	98.0	98.3	98.3	98.4	98.4	98.4	98.6	98.6
IV 200	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.4	98.7	98.9	98.9	98.9	99.0	99.0
IV 100	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.6	98.9	99.0	99.0	99.0	99.3	99.7
IV 0	.1	83.9	90.0	93.9	96.6	97.3	98.0	98.2	98.2	98.6	98.9	99.0	99.0	99.0	99.3	99.7

TOTAL NUMBER OF OBSERVATIONS 703

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	.1	50.5	52.6	53.5	53.6	53.9	54.2	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	.3	56.1	58.5	59.8	59.9	60.2	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	.3	56.1	58.5	59.8	59.9	60.2	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	.3	56.2	58.6	59.9	60.1	60.3	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8
IV 14000	.3	56.3	58.8	60.1	60.2	60.5	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	.3	57.5	59.9	61.2	61.3	61.6	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	.3	62.3	64.8	66.2	66.3	66.8	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.5	67.5
IV 9000	.3	63.3	65.8	67.2	67.3	67.8	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.5	68.5
IV 8000	.3	68.8	71.5	72.9	73.5	74.2	74.8	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.2	75.2
IV 7000	.3	69.9	72.6	74.0	74.6	75.3	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.5	76.5
IV 6000	.3	71.0	73.9	75.3	75.9	76.6	77.3	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.7	77.7
IV 5000	.3	72.2	75.0	76.5	77.3	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.2	79.2
IV 4500	.3	73.3	76.2	77.6	78.6	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.5	80.5
IV 4000	.3	75.5	78.5	80.0	81.3	82.0	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.2	83.2
IV 3500	.3	76.2	79.2	80.9	82.2	82.9	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	84.0	84.0
IV 3000	.3	77.6	80.9	82.9	84.3	85.2	85.9	85.9	85.9	85.9	86.2	86.4	86.4	86.4	86.6	86.6
IV 2500	.3	78.7	82.0	84.7	86.4	87.3	88.0	88.0	88.0	88.0	88.3	88.6	88.6	88.6	88.7	88.7
IV 2000	.3	79.3	82.9	85.6	87.4	88.3	89.0	89.0	89.0	89.0	89.3	89.6	89.6	89.7	89.7	89.9
IV 1800	.3	79.6	83.2	85.9	87.7	88.6	89.3	89.3	89.3	89.3	89.6	89.9	89.9	90.0	90.2	90.2
IV 1500	.3	80.3	83.9	86.6	88.4	89.3	90.0	90.0	90.0	90.0	90.3	90.6	90.6	90.7	90.7	90.9
IV 1200	.3	80.6	84.3	87.4	89.4	90.3	91.0	91.0	91.0	91.0	91.3	91.6	91.6	91.7	91.7	91.9
IV 1000	.3	81.3	85.6	88.7	91.0	91.9	92.6	92.6	92.6	92.6	93.0	93.3	93.3	93.4	93.6	93.6
IV 900	.3	81.3	85.7	88.9	91.2	92.0	92.7	92.7	92.7	92.7	93.2	93.4	93.4	93.6	93.7	93.7
IV 800	.3	81.6	86.0	89.3	91.6	92.4	93.2	93.2	93.2	93.2	93.6	93.9	93.9	94.0	94.2	94.2
IV 700	.3	81.6	86.0	89.6	92.0	93.2	93.9	93.9	93.9	93.9	94.3	94.6	94.6	94.7	94.9	94.9
IV 600	.3	81.7	86.4	90.0	92.4	93.6	94.3	94.3	94.3	94.3	94.6	95.0	95.3	95.4	95.6	95.6
IV 500	.3	82.0	86.9	90.4	93.2	94.3	95.3	95.3	95.3	95.3	95.6	96.0	96.3	96.4	96.6	96.6
IV 400	.3	82.0	86.9	90.4	93.2	94.3	95.3	95.3	95.3	95.3	95.6	96.0	96.4	96.4	96.7	96.9
IV 300	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	96.4	97.0	97.0	97.4	97.4	97.6	97.9
IV 200	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	96.7	97.3	97.3	98.0	98.1	98.4	99.0
IV 100	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	96.7	97.3	97.3	98.0	98.1	98.9	99.9
IV 0	.3	82.0	86.9	90.4	93.3	94.4	95.4	95.7	95.9	96.7	97.3	97.3	98.0	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124 14U  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.6	52.7	53.7	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	1.6	59.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	1.6	60.8	61.9	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	1.6	62.2	63.4	63.5	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	1.6	66.3	67.5	67.9	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	1.6	66.6	67.8	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000	1.6	71.4	73.6	74.1	75.4	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	1.6	71.7	73.9	74.4	75.7	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000	1.6	73.2	75.3	75.9	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	1.6	74.7	76.8	77.6	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	1.6	76.1	78.3	79.1	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4000	1.6	78.7	80.8	81.8	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	1.6	79.1	81.3	82.2	83.8	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	1.7	81.4	83.5	84.9	86.6	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	1.7	82.0	84.1	85.8	87.5	87.9	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	2.1	83.5	85.7	87.5	89.2	89.6	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	2.1	83.7	85.8	87.6	89.3	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	2.1	84.2	86.4	88.4	90.1	90.5	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	2.1	85.4	87.6	89.8	91.5	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	2.1	85.7	87.9	90.1	91.8	92.2	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	2.1	85.7	87.9	90.2	91.9	92.5	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	2.1	85.8	88.2	90.6	93.2	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	2.1	85.9	88.5	91.1	93.6	94.7	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	2.1	86.4	88.9	91.5	94.2	95.3	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	2.1	86.4	88.9	91.5	94.2	95.3	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	2.1	86.4	88.9	91.5	94.5	95.7	96.9	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.0	99.0	99.4	99.4	99.4
≥ 200	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.1	99.6	99.6	99.7	99.7
≥ 100	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.3	99.7	99.7	100.0	100.0
≥ 0	2.1	86.4	89.1	91.6	94.6	96.2	97.4	97.9	97.9	98.6	99.0	99.3	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	1.4	49.8	50.5	50.5	50.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	1.4	57.7	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	1.4	58.1	59.1	59.4	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 12000	1.4	60.5	61.6	62.2	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	1.6	63.5	64.9	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	1.6	64.2	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	1.6	66.7	69.3	70.0	70.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 7000	1.6	67.4	70.5	71.7	72.1	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	1.6	68.4	71.5	72.6	73.1	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	1.6	70.5	74.0	75.3	75.7	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500	1.6	72.4	76.0	77.3	77.7	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000	1.6	76.4	80.1	81.5	82.1	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	1.6	77.7	81.4	82.8	83.4	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	2.0	82.2	85.9	87.3	87.9	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	2.1	83.8	87.4	89.0	89.6	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	2.1	84.5	88.2	90.4	91.0	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	2.1	84.6	88.3	90.6	91.1	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	2.1	85.6	89.3	91.8	92.5	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	2.1	86.5	90.1	92.7	93.5	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	2.1	86.6	90.3	92.8	93.7	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	2.1	86.7	90.4	92.9	94.1	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	2.1	86.7	91.0	93.8	95.1	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	2.1	86.9	91.1	94.4	95.8	96.8	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	2.1	86.9	91.4	94.9	96.5	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	2.1	86.9	91.4	94.9	96.5	97.7	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	2.1	86.9	91.4	94.9	96.8	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	2.1	86.9	91.4	95.1	96.9	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	1.3	45.5	46.3	46.5	46.7	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.3	55.0	56.0	56.6	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	1.3	55.0	56.0	56.6	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	1.3	55.4	56.4	57.0	57.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	1.3	55.6	56.6	57.1	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	1.3	57.3	58.7	59.4	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	1.3	60.4	62.0	62.7	62.8	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	1.3	61.0	62.5	63.2	63.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	1.3	65.9	68.0	69.0	69.3	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 7000	1.3	66.8	69.6	71.0	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	1.3	66.8	69.6	71.1	71.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	1.3	69.2	72.3	74.0	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	1.3	71.6	74.8	76.5	76.8	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	1.3	77.2	81.8	82.5	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3500	1.3	79.1	81.6	83.3	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	1.4	82.9	86.6	88.5	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	1.4	84.2	88.1	90.5	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	1.4	85.0	89.4	91.9	93.1	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	1.4	85.1	89.5	92.1	93.2	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	1.4	86.0	90.5	93.4	94.5	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	1.4	86.0	90.5	93.4	94.5	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	1.4	86.3	90.9	94.5	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	1.4	86.3	90.9	94.5	96.0	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	1.4	86.3	91.1	94.8	96.6	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	1.4	86.3	91.2	94.9	96.7	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	1.4	86.3	91.4	95.0	97.2	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	1.4	86.3	91.4	95.0	97.2	98.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	1.4	86.3	91.4	95.0	97.3	98.2	99.3	99.4	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 707

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	.9	51.5	52.1	52.4	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000	.9	60.0	60.9	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000	.9	60.0	60.9	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	.9	60.9	62.3	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	.9	65.6	67.5	68.6	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	.9	65.8	67.6	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	.9	70.5	72.8	74.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	.9	71.7	74.0	75.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	.9	72.4	74.7	76.1	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	.9	74.1	76.4	77.8	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	.9	76.1	78.7	80.1	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	.9	79.3	81.9	83.5	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	.9	80.0	82.9	84.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	.9	82.7	86.2	88.2	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	.9	83.2	86.6	88.8	90.5	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	.9	84.6	88.2	90.5	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	.9	84.6	88.2	90.5	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	.9	85.0	89.2	91.7	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	.9	85.8	89.9	92.5	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	.9	86.2	90.4	93.7	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	.9	86.2	90.4	93.8	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	.9	86.3	90.6	94.1	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	.9	86.5	90.9	94.7	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	.9	86.5	90.9	94.8	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	.9	86.6	91.4	95.3	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 300	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 200	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 100	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3
≥ 50	.9	86.6	91.4	95.3	97.8	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 695

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

120140  
STATION

PAUXENT RIVER NAS MO  
STATION NAME

13-60  
YEAR

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	.7	59.3	60.1	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥20000	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥18000	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥16000	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥14000	.7	64.7	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥12000	.7	65.7	67.4	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥10000	.7	70.3	72.3	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥9000	.7	70.4	72.4	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥8000	.7	74.6	76.6	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥7000	.7	75.3	77.3	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥6000	.7	75.9	77.9	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥5000	.7	77.7	79.7	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥4500	.7	78.7	80.7	81.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥4000	.7	80.4	82.9	84.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥3500	.7	83.9	85.4	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥3000	.7	82.6	85.1	86.7	87.7	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥2500	.7	83.4	86.3	88.1	89.4	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥2000	.7	84.3	87.4	90.1	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥1800	.7	84.4	87.6	90.3	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥1600	.7	86.1	89.9	93.0	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥1400	.7	86.3	90.3	93.1	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥1200	.7	85.7	90.6	93.9	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1000	.7	86.7	90.6	93.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥900	.7	87.0	90.9	94.1	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥800	.7	87.3	91.1	94.6	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥700	.7	87.4	91.3	94.9	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥600	.7	87.7	91.6	95.1	97.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥500	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥400	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥300	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥200	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥100	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥0	.7	87.7	91.6	95.1	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 100

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124 40 PATUXENT RIVER NAS MD

73-80

APR

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	52.4	53.7	54.1	54.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥20000	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥18000	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥16000	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥14000	59.3	60.8	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥12000	60.8	62.5	63.2	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥10000	65.1	67.1	68.0	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥9000	65.5	67.5	68.4	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥8000	70.3	72.8	73.9	74.7	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥7000	71.2	73.9	75.1	75.9	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥6000	72.1	74.7	76.0	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥5000	73.8	76.6	77.9	78.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥4500	75.3	78.2	79.5	80.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥4000	78.3	81.3	82.8	83.9	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥3500	79.1	82.3	83.8	84.8	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥3000	81.6	85.1	86.7	88.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥2500	82.6	86.4	88.0	89.3	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥2000	83.4	87.0	89.3	90.6	90.9	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥1800	83.5	87.1	89.4	90.7	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥1500	84.3	88.2	90.6	92.1	92.5	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥1200	84.8	88.8	91.3	92.8	93.2	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥1000	85.3	89.4	92.2	93.9	94.4	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥900	85.3	89.5	92.4	94.2	94.6	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥800	85.5	89.8	92.9	94.9	95.4	95.9	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥700	85.6	90.0	93.2	95.3	96.0	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥600	85.8	90.2	93.6	95.8	96.5	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥500	85.9	90.4	93.9	96.1	96.9	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥400	86.0	90.5	94.0	96.4	97.2	97.9	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥300	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥200	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥100	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2
≥50	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2
≥20	86.0	90.5	94.0	96.5	97.4	98.2	98.5	98.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 5625

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



AD-A116 097 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC (11)  
MAY 82  
UNCLASSIFIED USAFETAC/D5-82/029 SBI-AD-E850 174 NI

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND, REVISED UNIFORM SUMMARY OF SURFAC--ETC(1)  
MAY 82  
USAFETAC/DS-82/029 SRI-AD-FA50 174 NH

UNCLASSIFIED

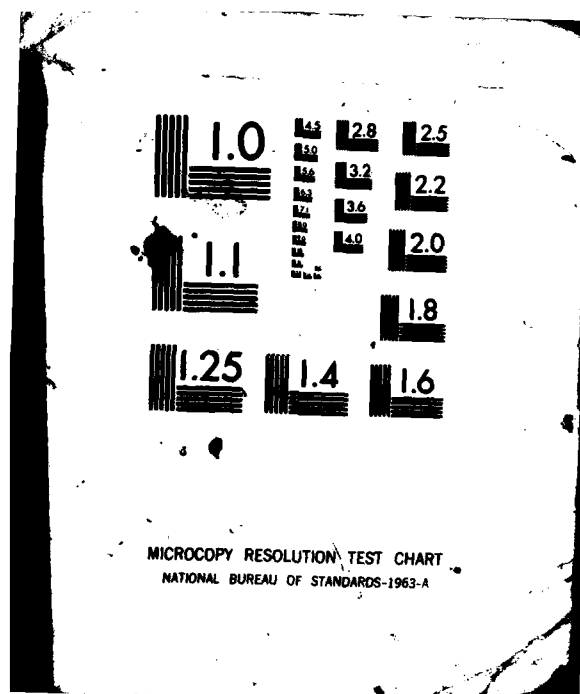
USAFETAC/DS-82/029

**SBI-AD-E850 174**

NL

3. 5

A 10x10 grid of squares. The top row contains small, faint, illegible markings, possibly characters or symbols, centered within each square. The rest of the grid is empty.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	46.9	50.9	53.3	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1
≥ 18000	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1
≥ 16000	53.1	58.0	60.7	61.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.1	62.1
≥ 14000	53.2	58.1	60.8	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.2	62.2
≥ 12000	54.4	59.3	62.2	62.9	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.6	63.6
≥ 10000	57.6	63.0	65.9	66.6	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.3	67.3
≥ 9000	57.8	63.4	66.3	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.7	67.7
≥ 8000	63.2	69.2	72.2	72.9	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.8	73.8
≥ 7000	63.6	69.6	72.7	73.4	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.8	74.8
≥ 6000	63.7	69.8	73.0	73.7	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0	75.0
≥ 5000	64.8	71.5	74.9	75.9	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.2	77.2
≥ 4500	66.6	73.4	77.2	78.3	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.7	79.7
≥ 4000	68.3	75.6	79.7	80.8	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.1	82.1
≥ 3500	68.8	76.5	80.8	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.4	83.4
≥ 3000	69.7	77.9	82.4	83.6	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9	85.0	85.0
≥ 2500	69.8	78.2	82.7	83.9	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.3	85.3
≥ 2000	70.8	79.3	84.0	85.3	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.6	86.6
≥ 1800	70.9	79.3	84.3	85.3	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.9	86.9
≥ 1500	71.8	80.4	85.1	86.9	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.4	88.4
≥ 1200	71.8	80.4	85.3	87.0	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.5	88.5
≥ 1000	72.4	81.3	86.9	88.9	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.5	90.5
≥ 900	72.7	81.6	87.4	89.9	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.7
≥ 800	72.9	82.3	88.3	91.1	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.9	92.9
≥ 700	73.0	82.8	89.5	92.1	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.9	94.0
≥ 600	73.1	83.2	90.0	92.6	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.5	94.7
≥ 500	73.5	83.9	91.5	94.3	95.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.5	96.6
≥ 400	73.8	84.3	92.2	95.2	95.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.8	98.0
≥ 300	73.8	84.3	92.4	95.6	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.0	99.2	99.3
≥ 200	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.5	99.6
≥ 100	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.5	99.7
0	73.8	84.3	92.4	95.6	96.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING	41.9	47.7	49.7	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.5	51.5	51.5
≥ 20000	47.8	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.8	58.8	58.8
IV 18000	47.8	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.8	58.8	58.8
IV 16000	47.8	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.8	58.8	58.8
IV 14000	47.8	54.0	56.5	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.8	58.8	58.8
IV 12000	48.3	54.6	57.2	59.0	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7
IV 10000	50.3	57.0	60.2	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.7
IV 9000	50.6	57.6	60.8	62.6	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.3
IV 8000	55.4	63.0	66.6	69.2	69.5	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.4
IV 7000	56.4	64.1	67.7	70.7	71.0	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0
IV 6000	56.4	64.1	67.7	70.7	71.0	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0
IV 5000	57.6	65.9	69.8	72.9	73.2	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.3	74.3	74.3
IV 4500	58.6	67.0	70.9	74.0	74.3	74.9	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.6	75.6	75.6
IV 4000	59.5	68.2	72.2	75.6	75.8	76.4	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1
IV 3500	59.7	68.5	72.5	76.0	76.2	76.8	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.5	77.5
IV 3000	60.8	70.0	74.7	78.3	78.6	79.1	79.6	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1
IV 2500	60.9	70.6	75.3	78.9	79.1	79.7	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.7	80.7	80.7
IV 2000	61.0	71.3	76.7	80.4	80.7	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2
IV 1800	61.0	71.3	76.7	80.4	80.7	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2
IV 1500	61.3	71.8	77.3	81.1	81.4	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	82.9
IV 1200	62.3	72.9	78.7	82.5	82.7	83.4	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.4	84.4	84.4
IV 1000	62.8	73.8	80.2	85.1	85.6	86.3	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.7	87.7	87.7
IV 900	63.0	74.3	81.2	86.0	86.6	87.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.7	88.7	88.7
IV 800	63.1	74.4	81.6	86.7	87.3	88.1	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.5	89.5	89.5
IV 700	63.1	74.6	82.3	87.8	88.4	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.9	90.9	90.9
IV 600	63.3	74.9	82.9	89.1	89.6	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	92.1	92.1	92.1
IV 500	63.3	75.4	84.1	91.2	91.7	93.0	94.2	94.5	94.6	94.6	94.6	94.6	94.6	95.2	95.2	95.2
IV 400	63.3	75.8	84.7	92.1	92.7	95.0	95.7	96.0	96.3	96.3	96.3	96.3	96.3	97.0	97.0	97.0
IV 300	63.4	76.1	85.1	92.8	93.5	96.0	96.8	97.1	97.7	97.9	97.9	97.9	97.9	98.5	98.5	98.5
IV 200	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3
IV 100	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3
IV 0	63.4	76.1	85.1	93.0	93.6	96.4	97.2	97.5	98.3	98.6	98.6	98.6	98.6	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	4	38.5	42.1	45.7	47.5	47.5	47.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.1	48.1
≥ 20000	4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
≥ 18000	4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 16000	4	43.4	48.2	52.2	54.4	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 14000	4	44.2	49.2	53.2	55.4	55.8	56.1	56.2	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5
IV 12000	4	45.0	50.0	54.0	56.2	56.4	56.9	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3
≥ 10000	4	48.5	54.3	58.4	60.9	61.2	61.9	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3
IV 9000	4	49.0	55.0	59.3	61.7	62.0	62.7	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1
≥ 8000	4	52.2	58.6	63.0	65.9	66.2	67.1	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 7000	4	53.2	59.7	64.1	67.3	67.7	68.8	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
IV 6000	4	53.3	59.8	64.4	67.7	68.1	69.2	69.3	69.3	69.5	69.5	69.5	69.6	69.6	69.6	69.6
IV 5000	4	53.6	60.1	64.9	68.4	68.9	70.3	70.4	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7
IV 4500	4	54.3	60.8	65.6	69.1	69.9	71.3	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7
IV 4000	4	55.5	62.3	67.4	71.1	72.1	73.6	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
IV 3500	4	55.5	62.3	67.7	71.4	72.4	73.9	74.0	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3
IV 3000	4	56.5	63.4	68.9	73.2	74.4	76.2	76.4	76.4	76.5	76.5	76.5	76.7	76.7	76.7	76.7
IV 2500	4	56.6	63.7	69.5	73.8	75.0	76.8	76.9	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2
IV 2000	4	57.0	64.1	70.0	74.4	75.8	77.6	77.9	77.9	78.0	78.2	78.2	78.3	78.3	78.3	78.3
IV 1800	4	57.0	64.1	70.0	74.4	75.8	77.6	77.9	77.9	78.0	78.2	78.2	78.3	78.3	78.3	78.3
IV 1500	4	57.2	64.2	70.7	75.3	76.9	78.9	79.1	79.1	79.3	79.4	79.4	79.6	79.6	79.6	79.6
IV 1200	4	57.9	65.1	71.7	76.7	78.3	80.2	80.7	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.1
IV 1000	4	58.4	65.7	72.8	78.3	80.1	82.5	82.9	82.9	83.0	83.1	83.1	83.3	83.3	83.3	83.3
IV 900	4	58.8	66.2	73.8	79.3	81.3	83.8	84.0	84.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4
IV 800	4	59.4	66.9	74.7	80.7	82.6	84.9	85.3	85.3	85.8	85.9	85.9	86.0	86.0	86.0	86.0
IV 700	4	59.4	66.9	75.7	82.6	84.7	87.6	88.3	88.3	88.7	88.8	88.8	89.0	89.0	89.0	89.0
IV 600	4	59.4	67.0	75.8	83.3	85.8	88.7	89.4	89.4	89.8	89.9	89.9	90.1	90.1	90.1	90.1
IV 500	4	59.4	67.1	76.9	85.1	88.3	91.7	92.8	92.7	93.6	93.9	93.9	94.1	94.1	94.1	94.1
IV 400	4	59.7	67.4	77.8	86.9	90.2	94.3	95.2	95.3	96.5	97.1	97.1	97.2	97.2	97.5	97.5
IV 300	4	59.7	67.4	77.8	87.0	90.6	94.9	95.9	96.0	97.2	97.8	97.9	98.1	98.1	98.5	98.5
IV 200	4	59.7	67.4	77.8	87.0	90.6	95.0	96.8	96.8	97.5	98.1	98.3	98.5	98.5	99.3	99.4
IV 100	4	59.7	67.4	77.8	87.0	90.6	95.0	96.8	96.8	97.5	98.1	98.3	98.5	98.5	99.3	99.4
IV 0	4	59.7	67.4	77.8	87.0	90.6	95.0	96.8	96.8	97.5	98.1	98.3	98.5	98.5	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040

PATUXENT RIVER NAS MD

73-80

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	39.5	42.9	45.9	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	47.3	51.1	54.2	54.8	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IN 18000	47.4	51.2	54.4	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 16000	47.4	51.2	54.4	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 14000	47.5	51.4	54.5	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IN 12000	48.4	52.2	55.3	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IN 10000	51.8	56.1	59.8	60.4	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IN 9000	52.5	56.9	60.9	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IN 8000	55.7	60.4	64.9	65.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IN 7000	56.7	61.6	65.9	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IN 6000	57.1	62.0	66.3	67.8	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IN 5000	57.4	62.4	67.4	68.8	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IN 4500	58.3	63.4	68.8	70.2	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IN 4000	60.1	65.3	70.7	72.3	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IN 3500	60.8	65.9	71.5	73.2	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IN 3000	62.8	68.4	74.1	76.2	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 2500	63.5	69.1	75.3	77.5	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IN 2000	64.9	70.8	77.4	80.2	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IN 1800	65.0	71.1	77.7	80.3	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IN 1500	65.4	71.5	78.5	81.6	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IN 1200	65.9	73.2	80.2	83.4	84.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IN 1000	67.0	74.8	82.4	86.4	87.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IN 900	67.0	74.9	82.8	86.9	87.7	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IN 800	67.3	75.3	83.7	88.1	89.5	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IN 700	67.6	75.8	84.3	89.1	90.4	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IN 600	67.7	75.9	85.1	90.1	91.8	94.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 500	67.7	75.9	85.1	90.1	92.4	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IN 400	67.7	76.5	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 300	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 200	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 100	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 0	67.7	76.8	85.8	91.8	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	2¾	2¾	2¾	25/16	2¼	20
NO CEILING	.5	38.6	40.5	42.3	42.6	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	.5	46.7	49.1	51.4	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	.5	46.8	49.2	51.6	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	.5	48.2	51.0	53.6	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	.5	51.6	54.6	57.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	.5	51.8	54.8	57.7	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	.5	54.8	58.4	61.5	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	.5	55.7	59.2	62.3	64.1	64.1	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	.5	55.9	59.8	63.0	64.8	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	.5	57.0	61.1	64.5	66.7	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	.5	57.3	61.4	65.1	67.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000	.5	60.3	64.9	69.2	71.6	71.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	.5	61.1	65.8	70.0	72.4	72.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	.5	67.3	73.1	77.8	80.8	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	.5	67.9	74.4	79.1	82.4	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	.5	69.4	76.1	81.6	85.4	85.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	.5	69.6	76.3	81.7	85.5	85.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500	.5	71.1	78.0	83.6	87.9	88.3	90.2	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1200	.5	71.9	79.0	84.7	89.2	89.6	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.4	92.4
≥ 1000	.5	72.3	79.5	85.8	90.5	91.1	94.1	94.1	94.1	94.0	94.5	94.5	94.7	94.7	94.8	94.8
≥ 900	.5	72.4	79.7	85.9	91.0	91.6	94.6	94.6	94.6	95.1	95.2	95.2	95.4	95.4	95.5	95.5
≥ 800	.5	72.7	80.4	87.0	92.4	93.2	96.3	96.3	96.3	96.9	97.0	97.0	97.1	97.1	97.3	97.3
≥ 700	.5	72.7	80.4	87.2	92.8	93.7	96.9	96.9	96.9	97.5	97.7	97.7	97.8	97.8	98.0	98.0
≥ 600	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 500	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 400	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 300	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 200	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 100	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 0	.5	73.0	80.8	87.6	93.2	94.1	97.4	97.4	97.4	98.1	98.2	98.2	98.5	98.5	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	39.8	43.6	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	47.0	50.9	54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	47.0	50.9	54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	47.0	50.9	54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	47.2	51.2	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	47.9	52.4	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	52.5	57.4	60.9	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 9000	52.7	57.6	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	58.3	64.8	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	59.7	66.4	71.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	59.8	66.7	71.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000	61.2	68.5	73.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	61.6	68.9	73.6	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	63.1	71.1	76.2	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	64.5	72.5	77.6	79.4	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	70.2	78.7	84.0	86.5	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	70.6	79.4	85.0	87.3	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	71.0	80.1	86.5	89.0	89.3	90.0	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	71.1	80.2	86.7	89.3	89.5	90.2	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	72.5	81.6	88.9	91.5	91.9	92.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	72.8	82.1	89.7	92.4	93.3	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	72.9	82.3	90.0	93.6	93.8	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	72.9	82.3	90.0	93.1	93.9	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	73.0	82.4	90.1	93.5	94.4	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	73.0	82.4	90.4	93.9	94.8	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	73.0	82.4	90.4	93.9	94.9	97.2	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	73.0	82.4	90.5	94.2	95.2	97.7	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	73.0	82.4	90.5	94.4	95.3	97.9	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	73.0	82.4	90.5	94.4	95.3	97.9	98.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	73.0	82.4	90.5	94.4	95.3	97.9	98.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	73.0	82.4	90.5	94.4	95.3	97.9	98.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	73.0	82.4	90.5	94.4	95.3	97.9	98.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 127



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS, LST

CEILING (FEET)	VISIBILITY, (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	44.1	38.9	42.0	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	44.1	50.3	53.8	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	44.1	50.3	53.8	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	44.1	50.7	54.3	56.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	44.1	51.1	54.7	57.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 12000	44.1	51.9	55.8	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 10000	44.1	55.8	60.2	62.8	63.7	63.7	64.0	64.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 9000	44.1	55.9	60.4	63.2	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	44.1	62.8	68.5	72.3	73.9	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	44.1	63.9	70.1	74.2	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 6000	44.1	64.0	70.6	74.9	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	44.1	64.8	71.4	76.1	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	44.1	66.2	73.2	78.0	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	44.1	68.0	75.5	80.6	82.8	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	44.1	69.0	76.5	81.6	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	44.1	72.0	79.8	85.0	87.4	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2500	44.1	72.4	80.9	86.4	88.8	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	44.1	72.7	81.6	87.4	89.8	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	44.1	72.7	81.6	87.5	90.0	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	44.1	73.5	82.4	88.5	91.1	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	44.1	73.8	82.8	89.1	92.0	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	44.1	73.9	83.1	89.6	93.0	93.7	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	44.1	73.9	83.1	89.6	93.4	94.1	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	44.1	74.0	83.4	90.0	93.8	94.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	44.1	74.0	83.8	90.7	94.5	95.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	44.1	74.0	83.9	90.9	94.8	95.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	44.1	74.0	83.9	91.1	95.1	95.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	44.1	74.0	83.9	91.1	95.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 728

USAF ETAC FORM 44-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724000

PATUXENT RIVER NAS MD

73-80

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING ≥ 20000	48.4	51.4	53.3	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000 ≥ 16000	54.0	57.6	59.9	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000 ≥ 12000	54.1	57.7	60.0	60.9	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000 ≥ 9000	54.3	57.8	60.2	61.0	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000 ≥ 7000	55.8	59.3	61.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000 ≥ 5000	59.3	63.0	65.7	67.0	67.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500 ≥ 4000	59.3	63.0	65.9	67.3	67.6	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500 ≥ 3000	64.7	69.1	72.8	74.9	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500 ≥ 2000	65.5	70.5	74.6	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1800 ≥ 1500	65.7	70.7	74.9	76.9	77.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1200 ≥ 1000	66.5	72.4	76.5	78.7	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900 ≥ 800	68.1	74.0	78.2	80.5	80.8	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 700 ≥ 600	70.1	76.5	80.8	83.1	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 500 ≥ 400	72.0	79.1	83.9	86.4	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 300 ≥ 200	72.5	80.2	85.3	87.8	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 100 0	72.8	80.9	86.4	88.9	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	72.8	81.0	86.5	89.0	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	74.2	82.6	88.0	90.7	90.9	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	74.2	82.7	88.5	91.1	91.3	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	74.5	83.2	89.0	92.3	92.6	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	74.9	83.9	90.1	93.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	75.4	84.5	90.8	94.2	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	75.4	84.6	91.2	94.6	94.9	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	75.5	85.2	91.9	95.5	95.9	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	76.0	85.9	92.6	96.4	96.8	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	76.0	85.9	92.6	96.4	97.1	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	76.1	86.0	93.0	97.0	97.7	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	41.6	45.1	47.5	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	48.7	52.8	55.7	56.7	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 18000	48.7	52.9	55.7	56.7	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 16000	48.8	52.9	55.8	56.8	56.9	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	49.0	53.2	56.0	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 12000	50.0	54.3	57.2	58.3	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8
≥ 10000	53.4	58.2	61.4	62.6	62.7	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	53.7	58.6	61.9	63.1	63.3	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7
≥ 8000	58.4	64.0	67.8	69.5	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3
≥ 7000	59.3	65.1	69.1	70.9	71.2	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 6000	59.5	65.4	69.4	71.3	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
≥ 5000	60.4	66.7	70.9	73.0	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
≥ 4500	61.4	67.8	72.2	74.3	74.8	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
≥ 4000	63.1	69.9	74.6	76.9	77.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
≥ 3500	63.7	70.6	75.3	77.7	78.1	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0
≥ 3000	66.4	73.8	78.9	81.5	82.1	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
≥ 2500	66.8	74.5	79.8	82.6	83.1	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2
≥ 2000	67.5	75.5	81.3	84.2	84.8	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
≥ 1800	67.5	75.6	81.4	84.3	84.9	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 1500	68.4	76.6	82.6	85.7	86.4	87.4	87.5	87.5	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8
≥ 1200	68.8	77.3	83.5	86.8	87.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.1	89.1
≥ 1000	69.3	78.0	84.6	88.4	89.2	90.6	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.1	91.1	91.1
≥ 900	69.5	78.3	85.1	89.2	90.0	91.4	91.6	91.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 800	69.7	78.7	85.8	90.1	91.0	92.6	92.8	92.8	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
≥ 700	69.8	78.9	86.4	90.9	91.9	93.7	94.0	94.0	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
≥ 600	69.9	79.2	86.8	91.6	92.6	94.5	94.9	94.9	95.2	95.3	95.3	95.3	95.4	95.5	95.5	95.5
≥ 500	70.0	79.4	87.5	92.5	93.7	96.0	96.5	96.5	96.9	97.1	97.1	97.1	97.3	97.3	97.4	97.4
≥ 400	70.1	79.6	87.8	93.1	94.3	96.9	97.4	97.5	98.0	98.3	98.3	98.3	98.4	98.5	98.5	98.5
≥ 300	70.1	79.6	87.9	93.3	94.6	97.3	98.0	98.0	98.7	99.0	99.1	99.1	99.3	99.4	99.4	99.4
≥ 200	70.1	79.6	87.9	93.3	94.6	97.4	98.0	98.1	98.9	99.2	99.3	99.3	99.6	99.6	99.7	99.8
≥ 100	70.1	79.6	87.9	93.3	94.6	97.4	98.0	98.1	98.9	99.2	99.3	99.3	99.6	99.6	99.8	99.9
≥ 0	70.1	79.6	87.9	93.3	94.6	97.4	98.0	98.1	98.9	99.2	99.3	99.3	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5831

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72404D  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		41.6	49.4	52.6	55.0	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000		48.2	56.3	60.4	63.1	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000		48.2	56.3	60.4	63.1	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000		48.2	56.3	60.4	63.1	63.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 14000		48.6	56.7	60.8	63.5	63.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000		49.0	57.1	61.8	64.5	64.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000		53.3	62.4	66.9	70.2	70.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000		53.6	62.6	67.2	70.5	70.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000		57.0	67.9	73.4	76.7	77.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000		57.0	67.9	73.4	76.7	77.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000		57.1	68.2	73.7	77.1	77.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000		57.8	68.9	74.6	78.0	78.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500		58.8	69.9	75.6	79.0	79.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000		61.6	73.0	79.4	83.1	83.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500		62.5	74.0	80.4	84.1	84.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000		64.3	76.1	83.4	87.2	87.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500		64.6	76.7	84.2	88.1	88.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000		65.9	78.1	86.1	90.1	90.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800		66.3	78.6	86.5	90.5	90.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		67.6	80.1	88.4	92.3	92.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		67.9	80.7	88.9	92.9	93.5	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000		68.8	82.0	90.8	95.0	95.6	96.7	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900		68.8	82.0	90.9	95.2	95.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		68.8	82.2	91.3	95.6	96.2	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		68.9	82.4	91.5	95.7	96.3	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600		68.9	82.5	91.6	96.2	96.7	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		69.0	82.8	91.9	96.4	97.0	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		69.2	83.0	92.2	96.7	97.3	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		69.2	83.0	93.2	97.7	98.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		69.2	83.0	93.2	97.7	98.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		69.2	83.0	93.2	97.7	98.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		69.2	83.0	93.2	97.7	98.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS LST

CEILING FEET	VISIBILITY / STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	.1	37.2	42.7	48.0	51.5	52.0	53.4	53.4	53.4	53.9	54.1	54.1	54.1	54.1	54.2	54.2
≥ 20000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 18000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 16000	.1	41.3	47.8	54.6	58.8	59.3	60.7	60.8	60.8	61.5	61.8	61.8	61.8	61.8	61.9	61.9
IV 14000	.1	42.0	48.6	55.5	59.7	60.1	61.5	61.7	61.7	62.4	62.6	62.6	62.6	62.6	62.8	62.8
IV 12000	.1	42.6	49.2	56.0	60.3	60.7	62.1	62.2	62.2	62.9	63.2	63.2	63.2	63.2	63.3	63.3
IV 10000	.1	45.1	52.7	60.1	64.7	65.2	66.9	67.0	67.0	67.7	68.0	68.0	68.0	68.0	68.1	68.1
IV 9000	.1	45.6	53.2	60.7	65.3	65.7	67.4	67.8	67.8	68.5	68.8	68.8	68.8	68.8	69.0	69.0
IV 8000	.1	50.0	59.3	67.8	73.0	73.5	75.1	75.6	75.6	76.3	76.5	76.5	76.5	76.5	76.7	76.7
IV 7000	.1	50.1	59.4	68.0	73.3	73.7	75.6	76.0	76.0	76.7	77.0	77.0	77.0	77.0	77.1	77.1
IV 6000	.1	50.1	59.6	68.1	73.5	73.9	75.7	76.1	76.1	76.8	77.1	77.1	77.1	77.1	77.2	77.2
IV 5000	.1	50.7	60.1	68.7	74.2	74.6	76.4	76.8	76.8	77.5	77.8	77.8	77.8	77.8	77.9	77.9
IV 4500	.1	51.8	61.2	69.9	75.4	75.8	77.7	78.1	78.1	78.8	79.1	79.1	79.1	79.1	79.2	79.2
IV 4000	.1	53.7	63.2	72.5	77.9	78.4	80.2	80.6	80.6	81.3	81.6	81.6	81.6	81.6	81.7	81.7
IV 3500	.1	54.8	64.3	73.6	79.2	79.6	81.5	81.9	81.9	82.6	82.9	82.9	82.9	82.9	83.0	83.0
IV 3000	.1	56.7	67.7	77.2	83.0	83.4	85.3	85.7	85.7	86.5	86.8	86.8	86.8	86.8	86.9	86.9
IV 2500	.1	57.0	68.3	77.9	83.8	84.3	86.5	86.9	86.9	87.8	88.1	88.1	88.1	88.1	88.2	88.2
IV 2000	.1	57.9	69.1	79.1	85.3	85.7	87.9	88.3	88.3	89.2	89.5	89.5	89.5	89.5	89.6	89.6
IV 1800	.1	58.1	69.4	79.6	85.8	86.2	88.5	88.9	88.9	89.7	90.0	90.0	90.0	90.0	90.2	90.2
IV 1500	.1	59.4	70.8	81.5	88.1	88.6	90.9	91.3	91.3	92.1	92.4	92.4	92.4	92.4	92.6	92.6
IV 1200	.1	59.6	71.1	81.9	88.5	89.0	91.3	91.7	91.7	92.6	92.8	92.8	92.8	92.8	93.0	93.0
IV 1000	.1	60.0	71.5	82.7	89.5	90.2	92.6	93.0	93.0	93.8	94.1	94.1	94.1	94.1	94.2	94.2
IV 900	.1	60.1	71.6	82.9	89.6	90.3	92.7	93.1	93.1	94.0	94.2	94.2	94.2	94.2	94.4	94.4
IV 800	.1	60.7	72.3	83.6	90.4	91.3	94.0	94.4	94.4	95.4	95.6	95.6	95.6	95.6	95.8	95.8
IV 700	.1	61.1	72.8	84.1	91.3	92.3	95.2	95.6	95.6	96.6	96.9	96.9	96.9	96.9	97.1	97.1
IV 600	.1	61.1	72.8	84.3	91.9	92.8	95.8	96.3	96.3	97.3	97.6	97.6	97.6	97.6	97.8	97.8
IV 500	.1	61.1	72.8	84.3	92.0	93.0	96.1	96.8	96.8	97.8	98.0	98.0	98.0	98.0	98.2	98.2
IV 400	.1	61.1	72.8	84.4	92.6	93.5	96.6	97.3	97.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7
IV 300	.1	61.1	72.8	84.4	92.8	94.0	97.1	97.9	97.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3
IV 200	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.6	99.7	100.0
IV 100	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.6	99.7	100.0
IV 0	.1	61.1	72.8	84.4	93.0	94.1	97.3	98.2	98.2	99.2	99.4	99.4	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

712

USAF ETAC

FORM  
JUL 84

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		34.5	40.5	44.5	47.5	47.9	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000		40.2	47.6	52.2	55.8	56.2	58.8	59.6	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000		40.4	47.8	52.4	55.9	56.3	58.9	59.8	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000		40.4	47.8	52.4	55.9	56.3	58.9	59.8	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000		40.9	48.4	53.1	56.6	57.1	59.6	60.5	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000		41.5	48.9	53.6	57.2	57.6	60.2	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000		44.8	52.8	58.9	63.2	63.9	66.6	67.5	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000		44.8	52.8	59.2	63.5	64.2	66.9	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	.1	49.4	58.2	65.6	71.0	71.8	74.5	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 7000	.1	50.1	59.2	66.6	72.0	72.8	75.5	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	.1	50.9	60.1	67.5	72.9	73.6	76.3	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5
IV 5000	.1	51.4	60.5	67.9	73.6	74.3	77.0	77.9	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	.1	52.1	61.6	69.0	74.9	75.6	78.3	79.2	79.2	79.3	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	.1	52.5	62.2	69.9	76.0	76.7	79.5	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	.1	52.5	62.2	69.9	76.0	76.7	79.5	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	.1	53.6	63.6	72.0	78.2	78.9	81.6	82.5	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	.1	54.5	64.5	73.2	79.5	80.3	83.2	84.0	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	.1	54.9	65.2	74.5	80.7	81.6	84.7	85.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	.1	55.2	65.6	74.9	81.2	82.0	85.2	86.2	86.2	86.4	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500	.1	56.9	67.5	76.9	83.3	84.2	87.3	88.3	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200	.1	57.8	68.3	77.7	84.3	85.3	88.4	89.6	89.6	89.9	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	.1	58.5	69.2	78.9	86.0	87.2	90.4	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	.1	59.1	69.8	79.5	86.9	88.2	91.6	92.9	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	.1	59.8	70.9	80.9	88.4	90.0	93.6	94.9	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6
IV 700	.1	60.2	71.3	81.3	89.2	90.7	94.6	95.9	95.9	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	.1	60.5	71.6	81.6	89.4	91.0	95.3	96.7	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	.1	60.5	72.0	82.2	90.2	92.2	96.6	98.0	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	.1	60.5	72.0	82.3	90.3	92.4	97.0	98.4	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 701

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12-140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING		39.4	42.5	45.8	47.5	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000		46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000		46.3	51.3	55.1	57.3	58.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000		46.8	51.8	55.6	57.9	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 12000		48.0	53.2	57.2	59.4	60.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000		50.8	56.3	61.0	63.2	64.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 9000		50.8	56.3	61.0	63.2	64.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 8000		55.1	61.8	66.9	69.6	70.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000		56.9	63.8	68.9	71.7	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000		58.0	65.1	70.3	73.1	74.1	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000		58.3	65.4	70.6	73.5	74.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500		59.3	66.5	71.8	74.8	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000		61.0	68.5	73.9	76.9	78.0	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3500		61.4	69.0	74.5	77.5	78.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000		63.1	71.1	76.6	79.9	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500		64.8	73.0	78.7	82.1	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000		66.1	74.4	80.4	84.2	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1800		66.5	74.8	80.8	84.8	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500		68.0	76.9	83.1	87.2	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200		69.2	78.2	85.1	89.4	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000		70.4	79.7	87.3	91.8	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900		70.7	80.1	88.3	92.8	95.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800		70.7	80.4	88.6	93.1	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700		70.8	80.7	88.9	93.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		71.0	81.0	89.3	93.9	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500		71.0	81.1	89.6	94.4	97.5	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.9	99.9	99.9
IV 400		71.0	81.1	89.6	94.4	97.5	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.9	99.9	99.9
IV 300		71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0
IV 200		71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0
IV 100		71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0
IV 0		71.0	81.1	89.6	94.4	97.5	99.2	99.2	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

710

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		41.1	45.9	49.2	51.1	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000		46.6	54.2	58.9	61.3	61.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IN 18000		46.7	54.4	59.1	61.5	62.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IN 16000		46.7	54.4	59.1	61.5	62.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IN 14000		47.0	54.7	59.3	61.8	62.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IN 12000		47.7	55.4	60.1	62.5	63.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IN 10000		51.6	59.6	64.7	67.1	67.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IN 9000		51.6	59.6	64.7	67.1	67.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IN 8000		56.4	65.6	70.8	73.9	74.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IN 7000		57.1	66.3	71.8	74.9	75.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IN 6000		57.1	66.3	72.1	75.2	75.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IN 5000		57.6	66.9	72.7	75.8	76.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IN 4500		57.8	67.1	73.1	76.2	76.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IN 4000		59.9	69.5	76.1	79.7	80.5	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IN 3500		60.9	70.5	77.1	80.7	81.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 3000		65.2	75.2	81.7	85.6	86.3	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 2500		67.1	77.6	84.8	89.0	89.7	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IN 2000		68.8	79.6	87.0	91.5	92.2	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IN 1800		69.0	79.7	87.1	91.8	92.5	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IN 1500		69.5	80.5	88.4	92.9	93.8	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IN 1200		69.7	80.6	88.2	93.2	94.1	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IN 1000		69.7	80.7	88.7	94.1	94.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 900		69.7	80.7	88.8	94.2	95.0	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IN 800		69.7	80.7	89.0	94.3	95.3	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IN 700		69.7	80.7	89.1	94.5	95.6	97.6	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 600		69.8	81.0	89.4	94.9	96.0	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 500		69.8	81.0	89.5	95.2	96.3	98.7	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 400		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0		69.8	81.0	89.7	95.3	96.5	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 706



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	.1	40.2	44.7	47.9	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	.1	48.9	55.9	61.0	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	.1	49.2	56.2	61.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	.1	49.2	56.4	61.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	.1	49.5	56.7	61.8	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	.1	50.1	57.3	62.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	.1	52.8	60.7	66.2	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	.1	53.3	61.2	66.8	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	.1	57.0	66.1	72.6	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	.1	58.3	67.3	74.3	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	.1	58.4	67.5	74.5	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	.1	59.5	68.7	75.8	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4500	.1	60.4	69.6	76.8	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4000	.1	62.0	71.3	78.9	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	.1	63.6	73.1	81.0	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	.1	67.2	76.8	85.1	90.1	90.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	.1	67.9	77.8	86.3	91.7	91.7	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	.1	68.6	78.5	87.3	92.6	92.6	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	.1	68.7	78.6	87.4	92.8	92.8	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	.1	69.2	79.1	88.5	94.3	94.3	95.5	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	.1	69.2	79.3	88.8	94.6	94.6	95.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	.1	69.2	79.5	89.4	95.6	95.6	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	.1	69.2	79.5	89.5	95.8	95.8	96.9	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	.1	69.7	80.3	90.4	96.6	96.7	98.0	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	.1	70.0	80.6	90.9	97.2	97.3	98.7	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	.1	70.0	80.6	91.1	97.5	97.6	99.0	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.1	70.0	80.6	91.1	97.5	97.6	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PAUXENT RIVER NAS MU  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING ≥ 20000		42.2	48.5	51.5	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 18000		51.4	59.9	63.9	66.3	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000		51.4	60.0	64.0	66.4	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000		51.6	60.5	64.4	66.9	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000		52.8	61.7	66.0	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000		56.0	66.0	70.3	72.7	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000		56.2	66.1	70.4	72.8	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000		59.5	70.4	74.8	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 7000		60.3	71.6	76.4	79.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000		60.6	71.8	76.7	79.5	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000		61.2	72.4	77.7	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500		62.4	74.0	79.7	82.5	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4000		64.2	76.5	82.5	85.5	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500		64.6	77.0	83.1	86.1	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000		67.0	79.5	85.8	89.3	89.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2500		67.1	79.7	86.1	89.8	90.2	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000		69.0	81.9	88.8	92.5	92.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800		69.1	82.1	88.9	92.6	93.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500		69.1	82.1	89.3	93.2	93.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200		69.3	82.4	89.9	93.7	94.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000		69.7	82.8	90.6	94.5	94.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900		69.7	82.9	90.9	94.9	95.3	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
IV 800		69.7	83.2	91.3	95.7	96.3	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
IV 700	.1	70.0	83.6	92.9	96.9	97.6	99.0	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
IV 600	.1	70.0	83.8	92.8	97.0	97.7	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 500	.1	70.0	83.8	92.6	97.0	97.7	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
IV 400	.1	70.0	83.8	92.7	97.2	97.9	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 300	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 200	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 100	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
IV 0	.1	70.0	83.8	92.7	97.2	98.0	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

703

USAF ETAC

FORM  
JUL 64

0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
124040

STATION NAME  
PATUXENT RIVER NAS MD

YEAR  
73-80

MONTH  
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

TIME PERIOD  
1100-2300  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		46.2	53.2	56.9	59.0	59.3	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		51.3	59.6	64.0	66.4	66.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 18000		51.3	59.6	64.0	66.4	66.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 16000		51.3	59.6	64.0	66.4	66.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000		52.0	60.3	64.7	67.1	67.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000		52.5	61.0	65.4	67.8	68.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000		56.5	66.0	70.5	73.0	73.3	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000		56.9	66.4	70.9	73.4	73.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000		59.9	70.9	76.6	79.1	79.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 7000		60.5	71.6	77.4	79.9	80.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000		60.6	71.8	77.5	80.1	80.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000		61.2	72.5	78.7	81.4	81.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500		61.6	72.9	79.1	82.1	82.3	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		63.6	74.9	81.9	84.9	85.2	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500		64.0	75.3	82.3	85.5	85.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000		65.7	77.1	85.0	88.4	88.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500		66.5	78.4	86.4	90.8	90.3	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000		67.4	79.2	87.7	91.5	91.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800		67.7	79.5	88.0	91.9	92.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500		69.1	81.1	90.0	94.1	94.4	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		69.6	81.6	90.5	94.6	94.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000		70.5	82.6	91.9	96.0	96.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		70.5	82.6	91.9	96.0	96.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		70.5	82.6	92.4	96.5	96.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		70.6	82.9	92.5	96.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		70.6	82.9	92.5	96.6	97.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		70.8	83.1	92.8	96.9	97.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		70.9	83.2	93.2	97.3	97.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300		70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		70.9	83.2	93.8	97.9	98.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124.140

PATUXENT RIVER NAS MD

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	.0	40.3	43.9	49.5	51.8	52.2	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	.0	46.8	54.1	58.8	61.5	61.9	63.8	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	.0	46.8	54.1	58.8	61.6	62.0	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5	63.5
≥ 16000	.0	46.8	54.2	58.9	61.7	62.1	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5
≥ 14000	.0	47.3	54.7	59.4	62.2	62.6	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	.0	48.0	55.5	60.3	63.1	63.5	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	.0	51.4	59.5	64.8	68.0	68.4	69.3	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	.0	51.4	59.5	64.8	68.2	68.7	69.8	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	.1	55.8	65.0	71.1	74.6	75.1	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000	.1	56.3	65.9	72.1	75.7	76.1	77.3	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	.1	56.4	66.3	72.6	76.2	76.6	77.8	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	.1	57.2	66.9	73.3	77.0	77.5	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	.1	58.0	67.8	74.4	78.2	78.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3
≥ 4000	.1	59.0	69.9	76.9	80.9	81.4	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
≥ 3500	.1	60.5	70.7	77.7	81.8	82.3	83.6	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	.1	62.9	73.4	80.9	85.2	85.7	87.0	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	.1	63.7	74.5	82.2	86.7	87.2	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.2	89.2
≥ 2000	.1	64.8	75.8	83.8	88.6	89.1	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	.1	65.1	76.4	84.2	88.9	89.5	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6
≥ 1500	.1	66.1	77.2	85.7	90.7	91.2	92.9	93.1	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	.1	66.5	77.8	86.4	91.4	92.1	93.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 1000	.1	67.1	78.5	87.5	92.8	93.6	95.3	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.1	67.2	78.7	87.8	93.2	94.0	95.8	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	.1	67.4	79.1	88.4	93.8	94.9	96.7	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	.1	67.7	79.4	88.9	94.4	95.4	97.3	97.6	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	.1	67.7	79.5	89.0	94.7	95.8	97.8	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	.1	67.8	79.6	89.2	94.9	96.1	98.2	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	.1	67.8	79.7	89.4	95.2	96.3	98.5	98.9	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	.1	67.8	79.7	89.4	95.4	96.6	98.7	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	.1	67.8	79.7	89.4	95.4	96.6	98.8	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	.1	67.8	79.7	89.4	95.4	96.6	98.8	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 0	.1	67.8	79.7	89.4	95.4	96.6	98.8	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 3451

USAF ETAC

FORM  
AUG 66

9-14-3 (OL A) REVISIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040

PATUXENT RIVER NAS MD

73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (EST)

CEILING FEET:	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	.1	37.8	47.1	54.0	56.7	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 18000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IN 16000	.1	41.7	53.6	63.0	66.8	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	.1	41.7	53.6	63.0	66.9	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 12000	.1	42.2	54.5	63.9	68.2	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IN 10000	.1	44.8	57.7	68.3	73.5	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IN 9000	.1	44.9	57.8	68.4	73.6	74.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 8000	.1	47.7	62.0	74.3	80.2	80.9	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IN 7000	.1	48.5	63.1	75.4	81.3	82.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 6000	.1	48.5	63.1	75.4	81.3	82.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 5000	.1	50.0	64.8	77.0	83.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IN 4500	.1	50.3	65.0	77.3	83.6	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IN 4000	.1	50.8	65.7	78.7	85.1	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IN 3500	.1	51.0	66.3	79.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IN 3000	.1	52.2	68.2	81.7	88.5	89.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IN 2500	.1	52.7	69.0	82.7	89.9	90.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IN 2000	.1	53.3	69.5	83.3	91.3	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 1800	.1	53.4	69.7	83.5	91.4	92.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IN 1500	.1	53.7	70.6	84.7	92.8	94.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 1200	.1	53.7	71.0	85.4	93.6	94.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1000	.1	54.1	71.4	85.9	94.1	95.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IN 900	.1	54.6	72.3	86.7	94.9	96.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN 800	.1	54.8	72.5	87.0	95.2	96.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IN 700	.1	54.9	72.7	87.2	95.4	97.1	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 600	.1	54.9	72.7	87.2	95.5	97.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 500	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 400	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 300	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0	.1	54.9	72.7	87.2	95.5	97.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	2¾	2¾	2¾	25-16	24	≥0
NO CEILING		32.7	40.7	48.8	54.8	55.5	56.8	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		35.6	45.8	56.3	63.7	64.5	66.8	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 18000		35.6	45.8	56.3	63.7	64.5	66.8	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 16000		35.6	45.8	56.3	63.7	64.5	66.8	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 14000		35.6	45.8	56.3	63.7	64.5	66.8	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000		36.0	46.8	57.3	64.9	65.8	68.2	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000		39.5	51.0	61.9	70.5	72.1	74.5	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000		39.5	51.1	62.1	70.7	72.2	74.7	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000		42.6	55.1	66.8	77.1	78.6	81.1	81.5	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000		43.4	55.9	68.1	78.5	80.0	82.5	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000		43.4	56.0	68.2	78.6	80.1	82.6	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000		44.1	56.7	69.0	80.0	81.6	84.2	84.6	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		44.7	57.3	69.6	80.7	82.3	84.9	85.3	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000		45.6	58.6	71.1	82.5	84.2	86.8	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500		45.9	59.2	71.6	83.0	84.8	87.5	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000		46.8	61.1	74.1	85.8	87.7	90.4	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500		47.1	61.5	74.5	86.3	88.2	91.4	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000		47.1	61.6	74.7	86.4	88.3	91.6	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800		47.1	61.6	74.8	86.4	88.4	91.6	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500		47.1	62.1	75.6	87.5	89.6	92.7	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200		47.3	62.5	76.7	88.6	90.7	94.0	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000		47.7	63.2	77.7	89.9	91.9	95.2	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		47.7	63.4	77.9	90.3	92.5	95.9	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800		48.1	63.6	78.5	91.0	93.1	97.1	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700		48.1	63.8	78.5	91.0	93.4	97.7	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		48.1	63.8	78.6	91.2	93.7	98.2	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		48.1	63.8	78.6	91.4	93.8	98.3	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		48.1	63.8	78.6	91.4	93.8	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		48.1	63.8	78.6	91.4	93.8	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		48.1	63.8	78.6	91.4	93.8	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		48.1	63.8	78.6	91.4	93.8	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		48.1	63.8	78.6	91.4	93.8	98.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS - U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	.4	26.7	33.3	39.9	44.7	46.3	49.3	50.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1
≥ 20000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5
≥ 18000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5
≥ 16000	.4	31.1	38.5	45.8	51.6	53.6	57.1	58.6	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.5
≥ 14000	.4	31.4	38.8	46.2	52.1	54.0	57.5	59.0	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.9
≥ 12000	.4	32.3	39.7	47.3	53.2	55.1	58.6	60.1	60.3	60.8	60.8	60.8	60.8	60.8	61.0	61.0
≥ 10000	.4	37.1	45.1	53.8	61.6	64.4	68.4	69.9	70.0	70.5	70.5	70.5	70.5	70.5	70.7	70.7
≥ 9000	.4	37.1	45.1	54.0	61.8	64.5	68.5	70.0	70.1	70.7	70.7	70.7	70.7	70.7	70.8	70.8
≥ 8000	.5	41.4	51.6	62.9	72.3	75.1	79.0	80.5	80.7	81.2	81.2	81.2	81.2	81.2	81.4	81.4
≥ 7000	.5	42.1	52.5	63.7	73.2	75.9	79.9	81.4	81.5	82.1	82.1	82.1	82.1	82.1	82.2	82.2
≥ 6000	.5	42.1	52.5	63.7	73.2	75.9	79.9	81.4	81.5	82.1	82.1	82.1	82.1	82.1	82.2	82.2
≥ 5000	.5	43.0	53.6	65.1	74.9	77.7	82.1	83.6	83.7	84.2	84.2	84.2	84.2	84.2	84.4	84.4
≥ 4500	.5	43.2	54.0	65.5	75.5	78.2	82.6	84.1	84.2	84.8	84.8	84.8	84.8	84.8	84.9	84.9
≥ 4000	.5	43.8	54.8	66.4	76.8	79.6	84.0	85.5	85.6	86.2	86.2	86.2	86.2	86.2	86.3	86.3
≥ 3500	.5	44.0	54.9	67.0	77.8	80.7	85.1	86.6	86.7	87.3	87.3	87.3	87.3	87.3	87.4	87.4
≥ 3000	.5	44.8	56.3	68.8	79.9	83.0	87.5	89.0	89.2	89.7	89.7	89.7	89.7	89.7	89.9	89.9
≥ 2500	.5	44.8	56.3	68.8	80.0	83.2	87.7	89.2	89.3	89.9	89.9	89.9	89.9	89.9	90.0	90.0
≥ 2000	.5	44.9	56.4	68.9	80.1	83.4	88.1	89.6	89.7	90.3	90.3	90.3	90.3	90.3	90.4	90.4
≥ 1800	.5	44.9	56.4	68.9	80.3	83.6	88.2	89.7	89.9	90.4	90.4	90.4	90.4	90.4	90.5	90.5
≥ 1500	.5	45.2	56.7	69.2	80.8	84.2	89.0	90.5	90.7	91.2	91.2	91.2	91.2	91.2	91.4	91.4
≥ 1200	.5	45.3	57.0	69.7	81.4	84.9	89.7	91.2	91.4	92.1	92.1	92.1	92.1	92.1	92.2	92.2
≥ 1000	.5	45.5	57.5	70.5	83.0	86.7	91.6	93.4	93.6	94.2	94.2	94.2	94.2	94.2	94.4	94.4
≥ 900	.5	45.9	58.1	71.1	83.6	87.4	92.3	94.2	94.4	95.1	95.1	95.1	95.1	95.1	95.3	95.3
≥ 800	.5	46.4	59.0	72.3	84.9	88.9	94.1	96.4	96.6	97.3	97.3	97.3	97.3	97.3	97.5	97.5
≥ 700	.5	46.6	59.2	72.6	85.3	89.3	94.5	97.0	97.1	97.8	97.8	97.8	97.8	97.8	98.1	98.1
≥ 600	.5	46.6	59.2	72.6	85.3	89.6	94.8	97.7	97.8	98.5	98.5	98.5	98.5	98.5	98.8	98.8
≥ 500	.5	46.8	59.5	72.9	85.9	90.1	95.3	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.3	99.3
≥ 400	.5	46.8	59.5	72.9	85.9	90.1	95.5	98.6	98.8	99.5	99.5	99.5	99.5	99.5	99.7	99.7
≥ 300	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0
≥ 200	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0
≥ 100	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0
≥ 0	.5	46.8	59.5	72.9	85.9	90.1	95.6	98.8	98.9	99.6	99.6	99.6	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING ≥ 20000	1.2	36.4	41.4	47.4	50.7	52.0	53.5	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	1.2	41.7	47.7	54.9	59.5	60.9	62.9	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	1.2	41.8	47.8	55.0	59.6	61.0	63.0	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	1.2	42.0	48.0	55.2	59.8	61.1	63.2	63.5	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	1.2	42.9	48.9	56.1	60.7	62.1	64.1	64.4	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	1.2	46.9	53.4	62.6	67.0	68.3	70.5	70.8	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	1.2	47.1	53.7	62.5	67.5	68.9	71.1	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	1.4	49.3	56.8	67.5	73.4	75.0	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 7000	1.4	49.9	57.5	68.2	74.3	76.1	78.4	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	1.4	49.9	57.6	68.3	74.7	76.5	78.8	79.1	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	1.4	50.7	58.4	69.4	75.8	77.6	80.0	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	1.4	51.2	59.1	70.1	76.5	78.3	81.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	1.4	52.2	60.5	72.3	79.1	80.8	83.6	83.8	83.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	1.4	52.3	60.6	72.8	79.8	81.5	84.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	1.4	53.5	63.0	75.8	83.3	85.5	88.6	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.4	54.3	63.9	76.8	84.2	86.5	89.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	1.4	54.6	64.1	77.3	85.1	87.4	90.6	91.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	1.4	55.0	64.5	77.7	85.6	87.9	91.2	91.7	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1500	1.4	56.1	66.0	79.5	88.3	90.8	94.0	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	1.4	56.5	66.6	80.0	89.0	91.6	95.0	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	1.4	57.2	67.3	80.7	90.2	93.3	96.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	1.4	57.3	67.4	80.8	90.5	93.6	97.4	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	1.4	57.3	67.5	81.1	90.8	93.9	97.7	98.6	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	1.4	57.3	67.8	81.4	91.0	94.2	98.0	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	1.4	57.3	67.8	81.4	91.0	94.2	98.0	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.4	57.3	67.8	81.4	91.0	94.2	98.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	1.1	35.2	42.0	47.9	51.4	52.5	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	1.1	43.8	52.5	59.5	63.5	64.6	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	1.1	43.8	52.5	59.9	63.9	65.0	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 12000	1.1	44.9	53.6	61.3	65.2	66.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	1.1	47.8	56.7	65.1	69.2	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	1.1	47.8	56.7	65.1	69.2	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	1.1	48.9	59.1	68.3	73.6	75.0	76.2	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	1.1	49.2	59.3	68.5	73.9	75.3	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	1.1	49.2	59.5	68.7	74.0	75.4	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 5000	1.1	49.5	60.2	69.6	75.3	76.6	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	1.1	50.0	60.7	70.3	76.0	77.3	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	1.1	51.1	62.0	72.3	77.9	79.3	81.3	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	1.1	51.6	62.5	72.9	78.8	80.4	82.4	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3000	1.1	54.8	66.8	79.0	85.7	87.6	90.2	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	1.1	56.3	68.8	81.2	88.3	90.7	93.3	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	1.1	57.0	69.8	82.6	90.2	92.6	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	1.1	57.1	69.9	82.8	90.7	93.0	95.7	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	1.1	57.8	71.0	84.1	92.2	94.6	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	1.1	57.8	71.0	84.1	92.2	94.6	97.7	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	1.1	57.8	71.2	84.3	92.7	95.2	98.2	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	1.1	57.8	71.2	84.3	92.9	95.3	98.4	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	1.1	57.8	71.2	84.5	93.3	95.7	98.8	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.1	57.8	71.2	84.5	93.4	95.9	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PAIXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	1.1	32.6	39.5	44.8	48.6	49.5	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	1.1	40.1	49.0	55.8	60.9	62.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	1.1	40.1	49.0	56.3	61.4	62.8	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	1.1	41.2	50.7	58.2	63.7	65.1	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 10000	1.1	45.0	55.0	63.3	70.0	71.3	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	1.1	45.0	55.0	63.5	70.1	71.5	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	1.1	47.4	58.3	68.2	75.7	77.2	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 7000	1.1	47.7	59.2	69.3	76.8	78.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	1.1	47.8	59.4	69.4	76.9	78.4	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5000	1.1	48.6	60.2	70.4	78.3	79.8	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	1.1	49.2	60.9	71.3	79.2	80.7	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.1	50.0	62.1	73.9	82.1	83.6	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3500	1.1	50.0	62.1	73.9	82.2	83.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	1.1	54.2	67.4	79.8	89.1	90.9	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	1.1	54.6	67.9	80.4	90.2	92.0	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	1.1	54.9	68.5	81.1	91.3	93.1	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	1.1	54.9	68.5	81.1	91.3	93.1	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	1.1	55.3	69.0	82.2	92.5	94.4	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	1.1	55.3	69.0	82.5	92.9	94.8	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	1.1	55.3	69.0	82.6	93.6	95.5	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	1.1	55.3	69.0	82.7	93.8	95.8	98.4	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.5
≥ 800	1.1	55.3	69.0	82.7	93.9	95.9	98.5	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 700	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 600	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 500	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	1.1	55.3	69.0	82.7	94.0	96.1	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.0
NO CEILING	.8	32.1	39.1	44.5	47.0	48.1	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	.8	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	.8	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000	.8	39.1	48.5	55.9	59.5	61.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	.8	39.3	48.8	56.3	60.0	62.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	.8	40.2	50.4	58.4	62.4	64.4	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	.8	42.6	53.6	62.4	67.4	69.5	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	.8	42.7	53.7	62.5	67.6	69.6	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	.8	46.3	58.7	69.1	75.1	77.2	79.0	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	.8	47.7	60.3	71.8	78.2	80.2	82.1	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	.8	47.9	60.6	72.1	78.4	80.5	82.4	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	.8	48.5	61.3	72.9	79.5	81.9	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	.8	48.6	61.5	73.5	80.2	82.6	84.8	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4000	.8	49.5	62.5	74.7	81.7	84.1	86.3	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	.8	49.5	62.5	74.9	82.4	84.8	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	.8	51.6	65.1	78.3	86.3	88.7	90.9	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	.8	52.3	66.2	79.5	88.0	90.5	92.7	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	.8	53.2	67.0	80.9	89.8	92.3	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	.8	53.2	67.2	81.2	90.2	92.7	95.1	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	.8	53.4	67.6	81.7	90.8	93.3	96.0	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	.8	53.4	67.6	82.0	91.1	93.5	96.3	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	.8	53.6	67.7	82.5	91.6	94.1	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	.8	53.6	67.7	82.6	91.9	94.4	97.4	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	.8	53.7	67.9	83.0	92.3	94.8	97.8	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	.8	53.7	67.9	83.1	92.6	95.1	98.1	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.8	53.7	67.9	83.1	92.6	95.1	98.1	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	.8	53.7	68.0	83.5	93.1	95.6	98.6	99.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	.8	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.8	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.8	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.8	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.8	53.7	68.0	83.5	93.1	95.7	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
A1- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000		55.5	42.2	48.6	52.2	53.3	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000		39.0	49.0	57.1	62.2	63.6	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000		39.2	49.2	57.3	62.3	63.6	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000		39.2	49.2	57.3	62.3	63.6	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000		39.2	49.2	57.3	62.6	63.8	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 10000		39.2	49.9	58.4	63.8	65.1	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000		41.9	55.4	63.3	69.2	70.4	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000		41.9	55.4	63.3	69.2	70.4	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000		46.0	59.3	70.4	77.9	79.2	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 6000		46.7	60.5	72.5	80.1	81.4	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 5000		46.8	60.7	72.6	80.3	81.5	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500		47.7	61.6	74.5	82.5	83.7	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4000		47.5	61.9	75.1	83.4	84.7	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500		48.5	62.7	77.0	85.9	87.1	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000		48.6	62.9	77.1	86.0	87.3	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2500		50.4	65.6	80.5	90.1	91.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000		51.5	66.7	81.9	91.5	92.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800		51.9	67.3	82.7	92.5	93.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500		52.1	67.4	83.0	92.7	94.0	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200		52.6	67.9	84.0	94.1	95.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000		52.7	68.2	84.5	94.7	95.9	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900		53.0	68.6	85.1	95.2	96.4	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800		53.0	68.6	85.1	95.3	96.7	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700		53.0	68.6	85.2	95.5	96.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600		53.3	68.9	85.5	95.8	97.1	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		53.3	68.9	85.5	95.9	97.3	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		53.3	68.9	85.6	96.3	97.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PAIUXENT RIVER NAS MU  
STATION NAME

13-80  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	.5	33.6	40.7	46.9	50.8	51.8	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	.6	39.0	48.1	56.0	61.0	62.3	63.8	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	.6	39.0	48.1	56.1	61.0	62.3	63.9	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	.6	39.1	48.1	56.1	61.0	62.3	63.9	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	.6	39.1	48.2	56.3	61.3	62.6	64.2	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 12000	.6	39.9	49.3	57.6	62.8	64.1	65.7	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	.6	43.2	53.2	62.5	68.6	70.1	71.8	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000	.6	43.3	53.3	62.7	68.7	70.2	72.0	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	.6	46.2	57.6	68.4	75.7	77.3	79.1	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000	.6	46.9	58.5	69.7	77.0	78.6	80.5	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	.6	47.0	58.7	69.8	77.2	78.8	80.6	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	.6	47.8	59.6	71.0	78.7	80.4	82.4	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 4500	.6	48.1	60.1	71.6	79.4	81.0	83.2	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	.6	48.9	61.1	73.3	81.4	83.1	85.2	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	.6	49.1	61.4	73.7	82.0	83.7	85.9	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	.6	51.1	64.2	77.2	86.1	88.0	90.5	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	.6	51.7	65.0	78.2	87.3	89.3	91.8	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	.6	52.1	65.5	78.9	88.3	90.4	93.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	.6	52.2	65.7	79.1	88.6	90.6	93.3	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	.6	52.7	66.4	80.1	89.9	92.0	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	.6	52.8	66.6	80.6	90.4	92.6	95.5	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 1000	.6	53.0	67.0	81.1	91.3	93.6	96.6	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	.6	53.2	67.2	81.4	91.6	94.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 800	.6	53.3	67.5	81.8	92.1	94.5	97.6	98.5	98.5	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 700	.6	53.4	67.6	81.9	92.3	94.8	97.9	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.6	53.4	67.6	81.9	92.4	94.9	98.1	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 400	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.4	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	.6	53.4	67.6	82.1	92.6	95.1	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5850

USAF ETAC

FORM  
JUL 84

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.1	33.7	42.8	51.1	56.5	56.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV ≥ 18000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV ≥ 16000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV ≥ 14000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV ≥ 12000	.1	38.0	49.2	59.3	66.2	66.3	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV ≥ 10000	.1	42.0	54.1	65.7	73.3	73.6	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV ≥ 9000	.1	42.0	54.1	65.7	73.3	73.6	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV ≥ 8000	.1	45.2	58.3	71.3	79.8	80.2	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV ≥ 7000	.1	45.4	58.6	71.5	80.1	80.5	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV ≥ 6000	.1	45.4	58.6	71.5	80.1	80.5	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV ≥ 5000	.1	45.6	59.1	72.1	80.8	81.2	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV ≥ 4500	.1	46.6	60.1	73.8	81.7	82.4	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.5	84.5	84.5
IV ≥ 4000	.1	47.4	61.2	74.3	83.2	84.1	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1
IV ≥ 3500	.1	47.8	61.7	74.8	84.3	85.1	86.8	86.9	86.9	87.1	87.1	87.1	87.1	87.2	87.2	87.2
IV ≥ 3000	.1	50.1	65.7	79.3	89.4	90.2	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.2	92.2
IV ≥ 2500	.1	50.7	66.3	80.4	90.5	91.3	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3
IV ≥ 2000	.1	50.8	66.3	80.5	90.7	91.6	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7
IV ≥ 1800	.1	51.0	66.6	80.7	90.9	91.7	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.9	93.9	93.9
IV ≥ 1500	.1	51.4	67.0	81.3	91.8	92.8	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.2	95.2
IV ≥ 1200	.1	51.9	67.6	82.0	92.5	93.5	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.9	95.9	95.9
IV ≥ 1000	.1	52.2	67.8	82.3	92.8	93.7	95.8	96.2	96.2	96.3	96.3	96.3	96.3	96.5	96.5	96.5
IV ≥ 900	.1	52.7	68.7	83.1	93.6	94.6	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7	97.7
IV ≥ 800	.1	53.1	69.1	83.5	94.0	95.0	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV ≥ 700	.1	53.3	69.6	84.2	94.8	96.0	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV ≥ 600	.1	53.3	69.8	84.6	95.2	96.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV ≥ 500	.1	53.3	69.8	84.6	95.2	96.5	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9
IV ≥ 400	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV ≥ 300	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV ≥ 200	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV ≥ 100	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV ≥ 0	.1	53.3	69.8	84.6	95.2	96.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	.1	28.5	39.3	48.4	56.2	56.6	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 18000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 16000	.1	30.8	43.3	53.4	62.3	63.0	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	.1	31.0	43.4	53.6	62.5	63.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 12000	.1	31.1	44.0	54.1	63.6	64.2	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	.1	35.2	48.9	59.5	70.4	71.4	73.3	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 9000	.1	35.3	49.0	59.6	70.5	71.5	73.4	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	.1	38.8	54.0	66.3	77.9	79.0	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 5000	.1	39.5	54.7	67.1	78.9	80.0	82.3	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	.1	40.0	55.2	67.7	79.5	80.5	82.9	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	.1	41.4	57.3	70.0	81.9	83.4	85.8	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	.1	41.6	57.8	70.5	82.1	84.2	86.6	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	.1	43.7	60.8	73.6	86.3	87.8	90.1	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	.1	44.0	61.1	74.0	86.7	88.2	90.5	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	.1	44.4	61.6	74.9	87.9	89.5	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	.1	45.1	62.3	75.8	88.8	90.3	92.6	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	.1	45.3	63.2	76.6	89.9	91.4	93.7	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	.1	45.8	63.6	77.0	90.7	92.2	94.5	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	.1	46.2	64.2	77.7	91.4	93.0	95.6	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	.1	46.4	64.7	78.1	91.9	93.6	96.2	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	.1	46.7	64.9	78.8	92.7	94.4	97.0	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	.1	46.7	65.2	79.2	93.2	94.9	97.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	.1	46.7	65.6	79.6	93.7	95.5	98.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	.1	46.7	65.8	79.7	93.8	95.6	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.1	46.7	65.9	79.9	94.0	95.8	98.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12-1140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		22.6	31.5	39.3	47.0	49.0	52.0	52.0	52.0	52.3	52.6	52.6	52.7	52.7	52.7	52.7
≥ 20000		26.8	36.9	45.8	54.8	57.7	61.6	61.6	61.6	61.9	62.1	62.1	62.3	62.3	62.3	62.3
≥ 18000		26.8	36.9	45.8	54.8	57.7	61.6	61.6	61.6	61.9	62.1	62.1	62.3	62.3	62.3	62.3
≥ 16000		26.8	36.9	45.8	54.8	57.7	61.6	61.6	61.6	61.9	62.1	62.1	62.3	62.3	62.3	62.3
≥ 14000		27.5	37.7	46.6	55.6	58.5	62.4	62.4	62.4	62.7	63.0	63.0	63.1	63.1	63.1	63.1
≥ 12000		28.0	38.6	47.6	56.6	59.5	63.4	63.4	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.1
≥ 10000		31.1	42.3	52.3	62.1	66.6	71.4	71.6	71.6	71.8	72.1	72.1	72.3	72.3	72.3	72.3
≥ 9000		31.1	42.3	52.4	62.3	66.7	71.6	71.7	71.7	72.0	72.3	72.3	72.4	72.4	72.4	72.4
≥ 8000		35.8	49.2	60.7	71.4	76.0	81.6	81.7	81.7	82.0	82.2	82.2	82.4	82.4	82.4	82.4
≥ 7000		36.1	49.5	61.0	72.0	76.6	82.1	82.2	82.2	82.5	82.8	82.8	82.9	82.9	82.9	82.9
≥ 6000		36.3	49.8	61.3	72.3	76.8	82.4	82.5	82.5	82.8	83.1	83.1	83.2	83.2	83.2	83.2
≥ 5000		36.4	50.6	62.3	73.5	78.1	83.6	83.8	83.8	84.0	84.3	84.3	84.5	84.5	84.5	84.5
≥ 4500		37.0	50.8	62.4	73.6	78.2	83.8	83.9	83.9	84.2	84.5	84.5	84.6	84.6	84.6	84.6
≥ 4000		37.6	51.3	63.7	75.0	79.8	85.6	85.7	85.7	86.0	86.3	86.3	86.4	86.4	86.4	86.4
≥ 3500		37.7	51.5	63.8	75.3	80.2	86.0	86.1	86.1	86.4	86.7	86.7	86.8	86.8	86.8	86.8
≥ 3000		38.3	52.3	65.5	77.4	82.2	88.1	88.2	88.2	88.5	88.8	88.8	88.9	88.9	88.9	88.9
≥ 2500		38.4	52.7	65.9	77.8	82.7	88.5	88.6	88.6	89.0	89.3	89.3	89.5	89.5	89.5	89.5
≥ 2000		39.0	53.4	66.9	78.9	83.9	89.7	89.9	89.9	90.3	90.6	90.6	90.7	90.7	90.7	90.7
≥ 1800		39.1	53.5	67.0	79.1	84.0	89.9	90.0	90.0	90.4	90.7	90.7	90.8	90.8	90.8	90.8
≥ 1500		39.8	54.2	68.0	80.0	85.2	91.0	91.1	91.1	91.5	91.8	91.8	92.0	92.0	92.0	92.0
≥ 1200		40.2	54.8	68.5	81.0	86.4	92.4	92.6	92.6	93.1	93.3	93.3	93.5	93.5	93.5	93.5
≥ 1000		41.3	55.4	69.6	82.4	88.1	94.2	94.6	94.6	95.0	95.3	95.3	95.4	95.4	95.4	95.4
≥ 900		41.3	56.0	69.8	82.7	88.3	94.5	94.9	94.9	95.3	95.6	95.6	95.8	95.8	95.8	95.8
≥ 800		42.2	57.0	71.0	84.2	89.9	96.0	96.4	96.4	96.8	97.1	97.1	97.4	97.4	97.4	97.4
≥ 700		42.6	57.4	71.4	84.6	90.3	96.4	96.8	96.8	97.2	97.6	97.6	98.1	98.1	98.1	98.1
≥ 600		42.7	57.7	71.8	85.4	91.3	97.4	97.8	97.8	98.2	98.6	98.6	99.0	99.0	99.0	99.0
≥ 500		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.4	99.4	99.9	99.9	99.9	99.9
≥ 400		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0
≥ 300		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0
≥ 200		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0
≥ 100		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0
≥ 0		42.7	57.8	72.1	86.1	92.1	98.2	98.6	98.6	99.0	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

721

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING		28.4	51.4	45.7	51.0	52.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000		32.6	43.4	53.5	60.2	61.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000		33.0	43.8	53.9	60.6	61.9	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000		33.6	45.0	55.3	61.9	63.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000		37.5	49.2	60.3	68.6	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000		38.2	50.1	61.1	69.4	70.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		40.8	53.3	64.8	73.7	75.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000		41.2	53.8	65.3	74.2	75.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000		41.6	54.2	65.8	74.6	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000		42.7	55.3	66.8	75.7	77.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500		42.7	55.3	66.8	75.7	77.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000		43.0	55.8	67.0	77.2	79.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500		43.2	56.1	68.1	77.6	79.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000		46.1	59.3	72.0	81.9	84.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500		46.7	60.2	73.0	82.8	85.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000		48.2	61.8	74.8	84.9	87.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800		48.2	61.9	74.9	85.0	87.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500		49.2	63.3	77.1	87.7	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200		49.9	64.1	78.0	88.8	92.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000		50.9	65.6	79.7	90.7	94.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900		50.9	65.6	79.8	91.3	95.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800		51.4	66.7	80.9	92.8	96.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700		51.4	66.7	80.9	92.8	96.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		51.4	66.7	80.9	92.9	96.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		51.4	66.7	80.9	93.3	97.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD

73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1800  
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	.1	30.7	38.7	46.5	50.8	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	.1	36.6	46.5	56.0	62.1	62.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	.1	36.6	46.6	56.1	62.3	62.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	.1	37.4	47.9	57.3	63.5	64.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	.1	41.2	52.5	62.4	69.3	70.1	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	.1	41.2	52.7	62.6	69.4	70.2	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	.1	42.3	54.3	65.2	72.0	73.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	.1	43.1	55.1	66.4	73.3	74.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	.1	43.3	55.4	66.7	73.5	74.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	.1	43.3	56.0	67.4	74.3	75.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	.1	43.9	56.0	67.4	74.3	75.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	.1	44.9	56.9	68.9	76.1	77.5	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	.1	46.4	58.4	70.4	77.6	79.0	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	.1	50.1	62.8	75.3	84.0	85.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	.1	52.1	65.2	77.8	87.4	88.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	.1	53.2	66.3	79.0	89.0	90.5	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	.1	53.2	66.3	79.0	89.0	90.5	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	.1	54.3	67.5	80.7	91.1	92.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	.1	54.4	68.4	81.4	92.4	93.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	.1	55.3	69.0	82.6	93.4	95.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	.1	55.3	69.0	82.6	93.4	95.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	.1	55.3	69.1	82.7	93.4	95.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	.1	55.3	69.3	83.0	93.8	95.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	.1	55.3	69.3	83.1	94.0	96.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	.1	55.4	69.3	83.4	94.4	96.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 122

USAF ETAC FORM 8-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040

PATUXENT RIVER NAS MD

73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	.1	27.9	57.5	45.0	50.9	51.0	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 18000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	.1	33.3	45.4	54.5	62.4	62.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	.1	33.7	45.9	55.0	62.9	63.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	.1	34.3	47.0	56.2	64.0	64.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	.1	37.6	51.5	60.7	69.2	69.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 9000	.1	37.6	51.6	60.9	69.3	69.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	.1	39.7	54.2	64.3	73.2	73.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	.1	40.1	54.8	65.0	73.9	74.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	.1	40.7	55.3	65.6	74.4	75.0	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.1	41.5	56.3	66.7	75.8	76.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	.1	41.9	56.7	67.2	76.3	76.9	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4000	.1	43.0	58.0	68.6	77.9	78.7	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	.1	43.6	58.6	69.3	78.6	79.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	.1	46.9	63.3	75.9	86.7	87.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	.1	48.7	65.3	78.1	89.5	90.3	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000	.1	49.5	66.4	79.4	91.0	91.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	.1	49.5	66.4	79.4	91.0	91.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	.1	50.1	67.1	80.9	92.7	93.6	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	.1	50.1	67.1	81.3	93.2	94.2	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	.1	50.6	67.6	82.2	94.2	95.2	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	.1	50.6	67.6	82.3	94.5	95.4	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	.1	50.6	67.8	82.4	94.6	95.6	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	.1	50.8	68.2	82.8	95.0	96.0	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	.1	50.8	68.2	83.0	95.2	96.1	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.1	50.8	68.2	83.1	95.3	96.3	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040

PATUXENT RIVER NAS MD

73-80

AVE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING		26.1	34.5	41.5	48.3	48.4	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000		35.6	45.2	55.0	62.5	63.0	65.1	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000		35.2	45.4	55.2	62.6	63.2	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000		35.2	45.7	55.4	62.9	63.4	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000		35.3	45.8	55.6	63.0	63.6	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000		36.3	46.9	56.7	64.1	64.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000		39.6	51.4	61.0	70.1	70.8	73.0	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000		39.7	51.3	61.9	70.2	70.9	73.1	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000		43.2	56.3	68.0	76.3	77.0	79.2	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 7000		44.3	57.8	69.9	78.5	79.2	81.4	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000		44.3	57.8	69.9	78.5	79.2	81.4	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000		44.6	58.2	70.5	79.0	79.7	82.1	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500		45.4	59.0	71.4	80.0	80.7	83.2	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		45.9	59.9	73.1	81.9	82.6	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500		46.3	60.6	73.9	82.8	83.4	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000		49.9	65.1	79.4	88.8	89.5	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		50.3	65.7	80.1	89.8	90.2	93.1	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000		50.8	66.2	81.0	90.9	91.6	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800		51.2	66.6	81.4	91.3	92.0	95.0	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500		51.4	67.0	81.9	92.0	93.0	96.0	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200		51.6	67.2	82.3	92.4	93.4	96.4	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000		51.7	67.3	82.5	92.6	93.5	96.6	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900		51.7	67.3	82.6	93.0	93.9	97.0	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800		52.0	67.7	83.0	93.7	94.6	97.7	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		52.0	67.7	83.0	93.8	94.6	97.8	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		52.0	67.7	83.3	94.1	95.0	98.1	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		52.0	67.7	83.4	94.2	95.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		52.0	67.7	83.7	94.5	95.4	98.5	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724042  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS-151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		33.2	41.7	48.8	55.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000		37.6	48.0	57.5	65.8	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000		37.6	48.0	57.5	65.8	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000		37.6	48.0	57.5	65.8	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000		38.0	48.6	58.2	66.8	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 12000		38.7	49.3	58.8	67.1	67.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000		41.8	53.4	64.3	73.4	74.3	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000		42.1	53.7	64.5	73.6	74.6	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000		45.9	59.8	71.2	81.0	81.9	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000		46.2	60.2	71.6	81.5	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000		46.2	60.2	71.6	81.5	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		46.2	60.2	72.0	81.9	82.9	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500		46.2	60.2	72.1	82.1	83.0	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	.1	46.6	60.6	72.8	82.7	83.8	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	.1	47.0	61.1	73.5	83.4	84.5	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	.1	51.2	66.4	78.9	89.4	90.5	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	.1	51.8	67.3	80.0	90.8	91.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	.1	52.2	68.1	81.4	92.1	93.2	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	.1	52.3	68.5	81.8	92.5	93.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	.1	53.1	69.6	83.2	94.0	95.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	.1	53.3	69.7	83.4	94.3	95.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	.1	53.3	69.7	83.4	94.3	95.5	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	.1	53.3	70.2	84.0	95.0	96.2	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	.1	53.3	70.2	84.0	95.0	96.2	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	.1	53.3	70.5	84.2	95.2	96.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	.1	53.3	70.7	84.4	95.4	97.0	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.1	53.5	70.9	84.8	95.8	97.4	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	.1	29.1	37.9	45.8	52.1	52.7	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.1	33.9	44.7	54.4	62.0	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	.1	33.9	44.8	54.4	62.1	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	.1	33.9	44.8	54.4	62.1	63.0	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1
≥ 14000	.1	34.2	45.2	54.8	62.5	63.4	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 12000	.1	34.7	46.0	55.7	63.4	64.3	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000	.1	38.3	50.4	60.8	69.6	70.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	.1	38.4	50.7	61.1	69.9	71.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000	.1	41.5	55.0	66.5	75.7	77.1	79.3	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	.1	41.9	55.5	67.2	76.4	77.8	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
≥ 6000	.1	42.1	55.7	67.3	76.6	78.0	80.3	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	.1	42.6	56.3	68.1	77.5	78.9	81.2	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	.1	43.0	56.7	68.5	77.9	79.4	81.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	.1	43.7	57.6	69.9	79.5	81.1	83.6	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 3500	.1	44.2	58.2	70.6	80.3	81.9	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	.1	47.1	62.0	75.0	85.5	87.2	89.7	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	.1	47.9	63.0	76.2	86.9	88.5	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	.1	48.5	63.8	77.2	88.2	89.9	92.6	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 1800	.1	48.7	64.0	77.5	88.6	90.2	92.9	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	.1	49.4	64.9	78.7	89.9	91.8	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	.1	49.7	65.3	79.3	90.6	92.6	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	.1	50.2	65.9	80.0	91.5	93.6	96.6	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 900	.1	50.3	66.2	80.3	91.9	94.0	97.1	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 800	.1	50.6	66.6	80.8	92.5	94.6	97.7	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 700	.1	50.7	66.8	81.0	92.8	95.1	98.2	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 600	.1	50.7	66.9	81.3	93.2	95.4	98.5	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 500	.1	50.7	67.1	81.5	93.5	95.8	98.9	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	.1	50.7	67.1	81.5	93.5	95.8	99.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	.1	50.7	67.1	81.5	93.6	95.8	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	.1	50.7	67.1	81.6	93.6	95.9	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5831

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724340  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ .	≥ 0
NO CEILING	.6	40.2	49.3	53.1	55.7	55.8	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 20000	.6	44.2	54.6	58.4	61.3	61.4	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	.6	44.2	54.6	58.4	61.3	61.4	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	.6	44.4	54.8	58.7	61.5	61.7	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	.6	44.6	55.1	59.0	61.8	62.0	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
IV 12000	.6	44.6	55.1	59.0	61.8	62.0	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	.6	49.3	60.8	65.2	68.8	68.9	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
IV 9000	.6	49.7	61.4	66.1	69.7	69.8	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000	.6	54.7	67.0	72.1	75.6	75.8	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4
IV 7000	.6	55.1	67.5	72.8	76.4	76.5	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000	.6	55.3	67.7	72.9	76.5	76.6	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
IV 5000	.6	56.0	68.5	74.6	78.2	78.3	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
IV 4500	.6	56.8	69.4	75.5	79.1	79.2	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	.6	57.4	69.9	76.2	79.9	80.1	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	.6	57.7	70.2	76.5	80.2	80.3	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	.7	60.5	74.6	81.6	85.3	85.5	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	.7	61.1	75.4	82.3	86.0	86.3	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
IV 2000	.7	61.5	76.1	83.8	87.7	88.0	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800	.7	61.5	76.1	83.9	87.9	88.2	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	.7	62.4	77.9	86.5	90.5	90.9	91.5	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7
IV 1200	.7	63.2	79.1	87.9	92.0	92.5	93.0	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3
IV 1000	1.1	64.2	80.5	90.3	94.6	95.0	95.6	95.6	95.6	95.6	95.7	95.9	95.9	95.9	95.9	95.9
IV 900	1.1	64.4	80.6	90.6	95.0	95.6	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 800	1.1	64.4	80.8	91.0	95.6	96.4	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	1.1	64.5	80.9	91.3	95.9	96.7	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	1.1	64.5	81.1	91.6	96.2	97.0	98.0	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	1.1	64.5	81.1	91.6	96.3	97.2	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	1.4	64.8	81.3	91.9	96.9	97.7	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.6	99.6
IV 300	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	1.4	64.8	81.3	91.9	97.0	97.9	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

702

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.9	36.4	46.8	51.8	53.8	54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.5	55.5
≥ 20000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
≥ 18000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
≥ 16000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
≥ 14000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
≥ 12000	.9	38.4	49.6	54.8	57.5	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.2	59.2
≥ 10000	.9	44.1	56.6	63.3	66.0	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.7	67.7
≥ 9000	.9	44.1	56.6	63.3	66.0	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.7	67.7
≥ 8000	.9	48.6	61.9	68.6	72.0	72.3	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7	74.0	74.0
≥ 7000	.9	48.6	61.9	68.6	72.0	72.3	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7	74.0	74.0
≥ 6000	.9	49.2	62.4	69.1	72.5	72.8	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3	74.5	74.5
≥ 5000	.9	49.2	62.4	69.1	72.5	72.8	74.0	74.0	74.0	74.1	74.1	74.1	74.3	74.3	74.5	74.5
≥ 4500	.9	50.8	64.2	71.3	74.7	75.0	76.1	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.7	76.7
≥ 4000	.9	51.6	65.1	72.5	76.0	76.2	77.4	77.4	77.4	77.5	77.5	77.5	77.7	77.7	78.0	78.0
≥ 3500	.9	53.1	66.9	74.4	77.8	78.1	79.2	79.2	79.2	79.4	79.4	79.4	79.5	79.5	79.8	79.8
≥ 3000	.9	53.1	66.9	74.4	77.8	78.1	79.2	79.2	79.2	79.4	79.4	79.4	79.5	79.5	79.8	79.8
≥ 2500	.9	55.5	70.0	78.7	82.4	82.6	83.8	83.8	83.8	83.9	83.9	83.9	84.1	84.1	84.4	84.4
≥ 2000	.9	57.3	72.5	81.9	85.6	85.9	87.1	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.6	87.6
≥ 1800	.9	57.3	72.5	82.1	85.8	86.1	87.2	87.2	87.2	87.3	87.3	87.3	87.5	87.5	87.8	87.8
≥ 1500	.9	57.9	73.5	83.9	88.1	88.3	89.5	89.5	89.5	89.6	89.6	89.6	89.8	89.8	90.0	90.0
≥ 1200	.9	58.0	73.8	84.2	88.6	89.0	90.2	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.8	90.8
≥ 1000	1.1	59.3	75.8	87.5	91.9	92.3	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	94.0	94.0
≥ 900	1.0	59.5	76.0	87.6	92.5	92.9	94.2	94.2	94.2	94.3	94.3	94.3	94.5	94.5	94.7	94.7
≥ 800	1.0	59.5	76.0	87.9	93.3	93.7	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.7	95.7
≥ 700	1.0	59.5	76.2	88.3	94.2	94.6	96.2	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.7	96.7
≥ 600	1.0	59.6	76.7	89.2	95.2	95.6	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.7	97.7
≥ 500	1.1	59.7	76.8	89.6	95.7	96.4	98.7	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.3	99.3
≥ 400	1.1	59.7	76.8	89.6	96.0	96.7	99.1	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.7	99.7
≥ 300	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.9	99.9
≥ 200	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.9	99.9
≥ 100	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.6	99.6	99.6	99.7	99.7	100.0	100.0
≥ 0	1.1	59.7	76.8	89.6	96.0	96.7	99.3	99.3	99.3	99.6	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

103



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.0
NO CEILING	1.0	31.6	37.6	43.9	47.4	48.6	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.5
≥ 20000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 18000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 16000	1.0	34.0	41.3	48.3	52.3	53.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 14000	1.0	34.0	41.3	48.3	52.3	53.8	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0
≥ 12000	1.0	34.0	42.0	49.1	53.3	54.8	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0
≥ 10000	1.1	37.9	47.3	55.1	59.7	61.3	63.2	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥ 9000	1.1	38.2	47.6	55.6	60.3	61.8	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 8000	1.3	43.7	54.1	63.0	68.4	69.9	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 7000	1.3	44.7	55.1	64.0	69.7	71.2	73.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 6000	1.3	45.0	55.7	64.7	70.4	72.1	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.8
≥ 5000	1.3	46.3	57.0	66.2	72.2	73.9	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6
≥ 4500	1.3	47.6	58.4	67.9	73.9	75.6	77.8	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3
≥ 4000	1.3	48.7	60.0	69.8	75.8	77.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3
≥ 3500	1.3	49.3	61.1	71.1	77.4	79.2	81.3	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 3000	1.4	49.9	62.0	72.8	79.6	81.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.6
≥ 2500	1.4	50.3	62.5	73.5	80.9	82.8	85.3	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.9
≥ 2000	1.4	51.6	64.0	75.4	82.9	84.8	87.3	87.6	87.6	87.7	87.9	87.9	87.9	87.9	87.9	88.0
≥ 1800	1.4	51.6	64.0	75.4	83.0	84.9	87.5	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.2
≥ 1500	1.4	52.7	65.7	77.2	85.0	86.9	89.6	89.9	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.3
≥ 1200	1.4	53.1	66.1	77.6	85.6	87.5	90.2	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.9
≥ 1000	1.4	53.8	67.4	79.5	87.6	89.6	92.5	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.2
≥ 900	1.4	54.4	68.1	80.2	88.5	90.5	93.3	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	94.0
≥ 800	1.4	54.8	68.7	81.2	89.5	91.5	94.3	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	95.0
≥ 700	1.4	54.8	68.9	82.1	90.3	92.6	95.6	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.3
≥ 600	1.4	55.1	69.2	82.3	91.2	93.4	96.4	96.7	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.4
≥ 500	1.6	55.4	69.5	82.8	91.6	94.2	97.4	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.6
≥ 400	1.6	55.4	69.5	82.8	91.6	94.3	97.6	97.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.9
≥ 300	1.6	55.4	69.5	82.8	91.6	94.3	97.6	98.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.4
≥ 200	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
≥ 100	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	1.6	55.4	69.5	82.9	91.7	94.4	97.9	98.4	98.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140 STATION NAME PATUXENT RIVER NAS MD

73-80 YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0930-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	1.7	41.5	47.0	49.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	1.7	47.0	53.7	56.3	58.5	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 18000	1.9	47.2	53.8	56.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000	1.9	47.2	53.8	56.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	1.9	47.3	54.0	56.6	58.8	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	1.9	47.9	54.8	57.7	60.0	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 10000	2.1	51.6	59.7	62.5	65.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 9000	2.1	51.9	60.0	63.2	66.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	2.1	56.1	65.0	68.2	71.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	2.1	56.4	65.2	68.5	72.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	2.1	56.6	65.5	69.1	72.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	2.1	57.3	66.7	70.2	74.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	2.1	59.1	68.5	72.1	75.9	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	2.1	60.4	70.2	73.9	78.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3500	2.1	61.3	71.4	75.2	79.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	2.1	63.8	74.4	78.8	83.3	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	2.1	64.1	74.8	79.6	84.5	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	2.1	64.8	75.9	81.2	86.2	87.9	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1800	2.1	65.0	76.1	81.3	86.3	88.0	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	2.1	67.0	78.2	83.6	88.7	90.7	91.2	91.5	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	2.1	67.4	78.9	84.8	90.0	92.0	92.5	92.7	92.7	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	2.1	67.7	79.8	86.2	91.9	93.9	94.4	94.7	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	2.1	67.9	80.1	86.9	92.6	94.6	95.2	95.4	95.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	2.1	68.2	80.5	87.6	93.9	96.0	96.7	97.0	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	2.1	68.2	80.5	87.9	94.3	96.4	97.2	97.4	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	2.1	68.2	80.5	88.2	94.6	96.7	97.6	98.0	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.6	98.6	99.4	99.6	99.6	99.7	99.7	99.7	99.7
IV 400	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.7	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	2.1	68.2	80.5	88.3	95.0	97.2	98.0	98.7	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	2.1	68.2	80.5	88.3	95.2	97.3	98.1	98.9	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 702

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PAUXENT RIVER NAS MU  
STATION NAME

73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	1.7	4.2	44.9	47.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	2.1	47.4	53.2	56.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000	2.1	47.5	53.3	56.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	2.1	48.5	54.9	58.1	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	2.1	52.2	59.9	63.5	66.4	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	2.1	52.9	60.8	64.5	67.4	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	2.1	57.7	66.6	70.2	73.5	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	2.1	58.1	67.0	70.8	74.0	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	2.1	58.7	67.7	71.8	75.0	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	2.1	59.7	68.7	72.8	76.0	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	2.1	60.8	69.8	73.9	77.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	2.1	62.8	72.1	76.2	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	2.1	63.2	72.5	76.7	80.1	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	2.1	67.1	77.6	82.7	86.6	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	2.1	68.4	79.3	84.9	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	2.1	69.4	80.5	86.6	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	2.1	69.5	80.7	87.0	91.5	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	2.3	71.1	82.4	89.1	93.8	93.9	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	2.3	71.4	82.8	89.6	94.2	94.4	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	2.3	71.4	82.9	90.3	94.9	95.1	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	2.3	71.5	83.2	90.6	95.2	95.5	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	2.3	71.5	83.5	91.1	95.9	96.2	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	2.3	71.5	83.6	91.7	96.8	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	2.3	71.5	83.6	91.7	96.8	97.3	98.3	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 500	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 400	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	2.3	71.5	83.6	91.7	96.8	97.3	98.6	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 709

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	1.7	37.7	44.7	48.1	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	2.0	45.9	54.4	58.6	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	2.0	46.1	54.5	58.8	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	2.0	46.4	55.5	59.6	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	2.1	50.6	59.9	64.5	67.0	67.0	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 9000	2.1	50.6	60.1	64.8	67.3	67.3	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	2.3	55.3	65.6	70.9	73.9	73.9	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	2.3	55.9	66.6	71.9	74.9	74.9	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 6000	2.3	56.1	67.8	73.0	76.0	76.0	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	2.4	57.6	69.5	74.8	77.7	77.7	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	2.4	58.6	70.5	75.7	78.7	78.7	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	2.4	60.8	73.0	78.5	81.6	81.6	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	2.4	61.2	73.9	79.5	82.6	82.6	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3000	2.6	65.2	78.7	85.3	88.7	88.7	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	2.6	66.3	80.0	86.7	90.2	90.2	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	2.6	66.9	80.7	87.9	91.3	91.3	92.2	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	2.6	67.3	81.3	88.4	91.9	92.0	92.7	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	2.6	67.8	81.9	89.3	92.9	93.0	93.9	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	2.6	67.8	82.2	90.0	93.7	93.9	94.7	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	2.6	67.9	82.3	90.2	94.3	94.4	95.3	95.6	95.9	96.6	96.6	96.6	96.7	96.7	96.7	96.7
IV 900	2.6	68.2	82.7	90.6	94.7	94.9	95.7	96.0	96.3	97.0	97.0	97.0	97.1	97.1	97.1	97.1
IV 800	2.6	68.5	83.0	91.2	95.4	95.6	96.4	96.7	97.0	97.7	97.7	97.7	97.9	97.9	97.9	97.9
IV 700	2.6	68.5	83.0	91.2	95.7	95.9	96.9	97.1	97.4	98.3	98.6	98.6	98.7	98.7	98.7	98.7
IV 600	2.6	68.8	83.3	91.4	96.1	96.3	97.3	97.6	97.9	98.7	99.1	99.1	99.3	99.3	99.3	99.3
IV 500	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
IV 400	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
IV 300	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
IV 200	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	2.6	68.8	83.3	91.4	96.1	96.3	97.7	98.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.6	38.8	43.9	47.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV ≥ 18000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV ≥ 16000	.6	44.2	51.1	56.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV ≥ 14000	.6	44.8	51.7	57.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV ≥ 12000	.6	45.3	52.3	57.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV ≥ 10000	.6	50.4	58.6	64.5	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV ≥ 9000	.6	50.7	59.3	65.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV ≥ 8000	.8	54.7	64.4	71.5	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV ≥ 7000	.8	55.2	65.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV ≥ 6000	1.0	55.8	65.8	72.9	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV ≥ 5000	1.0	56.2	66.4	73.6	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV ≥ 4500	1.0	56.6	66.8	74.3	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV ≥ 4000	1.1	58.5	68.8	76.4	79.8	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV ≥ 3500	1.1	58.9	69.6	77.4	80.9	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV ≥ 3000	1.1	62.3	74.4	82.8	87.0	87.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV ≥ 2500	1.1	63.4	75.7	84.3	88.8	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV ≥ 2000	1.1	63.8	76.1	84.9	89.8	90.0	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4
IV ≥ 1800	1.1	63.8	76.3	85.0	90.1	90.3	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV ≥ 1500	1.1	64.5	78.0	86.9	92.2	92.5	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV ≥ 1200	1.1	64.8	78.4	87.7	93.1	93.4	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
IV ≥ 1000	1.1	65.3	79.2	88.7	94.2	94.6	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5
IV ≥ 900	1.1	65.3	79.2	88.7	94.2	94.8	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV ≥ 800	1.1	65.4	79.4	89.0	94.8	95.3	96.9	96.9	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV ≥ 700	1.1	65.5	79.5	89.3	95.2	95.8	97.6	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV ≥ 600	1.1	65.5	79.5	89.5	95.6	96.2	98.0	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV ≥ 500	1.1	65.5	79.5	89.5	95.6	96.2	98.3	98.4	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2
IV ≥ 400	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 300	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.9	99.9
IV ≥ 200	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.9	100.0
IV ≥ 100	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.9	100.0
IV ≥ 0	1.1	65.5	79.5	89.5	95.8	96.5	98.9	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124340  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	.6	43.5	49.6	53.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1
≥ 20000	.6	48.2	56.3	60.6	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 18000	.6	48.2	56.3	60.6	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 16000	.6	48.4	56.5	60.8	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.5	64.5	64.5	64.5
≥ 14000	.6	48.5	56.8	61.1	64.3	64.3	64.3	64.3	64.3	64.6	64.6	64.6	64.8	64.8	64.8	64.8
≥ 12000	.6	48.8	57.2	61.6	65.0	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3
≥ 10000	.6	51.4	60.9	65.8	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.5	69.6	69.6	69.6	69.6
≥ 9000	.6	52.1	62.1	66.9	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.8
≥ 8000	.6	55.5	66.6	71.9	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0
≥ 7000	.6	56.2	67.3	72.9	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0
≥ 6000	.6	56.3	67.3	72.9	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0
≥ 5000	.6	56.6	68.0	74.0	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.2
≥ 4500	.6	57.2	68.6	74.8	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.9	78.9	78.9	78.9
≥ 4000	.6	58.2	69.9	76.0	79.9	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3
≥ 3500	.6	59.5	71.5	77.6	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.9	81.9	81.9	81.9
≥ 3000	.6	62.1	75.5	82.0	86.2	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 2500	.6	62.6	76.0	82.7	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.6	87.6	87.6	87.6
≥ 2000	.7	63.1	76.9	83.6	88.2	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9
≥ 1800	.7	63.2	77.0	83.7	88.3	88.6	88.7	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0
≥ 1500	.7	63.3	77.9	85.0	89.9	90.3	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7
≥ 1200	.7	63.5	78.5	85.9	91.0	91.6	91.7	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0
≥ 1000	.7	64.1	80.6	88.5	93.6	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6
≥ 900	.7	64.5	81.0	88.9	94.3	95.0	95.1	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4
≥ 800	.7	64.6	81.2	89.0	95.1	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4
≥ 700	.7	64.6	81.2	89.3	95.7	96.6	96.7	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 600	.9	64.9	81.5	89.9	96.6	97.4	97.7	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 500	1.0	65.0	81.6	90.4	97.1	98.0	99.1	99.1	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 400	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
≥ 300	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
≥ 200	1.0	65.0	81.6	90.4	97.3	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100	1.0	65.0	81.6	90.6	97.4	98.3	99.6	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0	1.0	65.0	81.6	90.6	97.4	98.3	99.6	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124 140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	1.1	38.7	45.5	49.3	51.8	52.1	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6
≥ 20000	1.2	43.7	51.8	56.2	59.2	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 18000	1.2	43.7	51.8	56.3	59.2	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1
≥ 16000	1.2	43.8	51.9	56.3	59.2	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1
≥ 14000	1.2	43.9	52.0	56.5	59.4	59.8	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 12000	1.2	44.4	52.7	57.3	60.2	60.6	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 10000	1.3	48.4	58.0	63.1	66.3	66.8	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.5	67.5
≥ 9000	1.3	48.8	58.5	63.8	67.1	67.5	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 8000	1.3	53.3	63.9	69.5	73.2	73.6	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	1.3	53.9	64.6	70.3	74.0	74.4	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.3
≥ 6000	1.4	54.1	65.0	70.8	74.6	75.0	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 5000	1.4	55.0	66.0	72.1	75.9	76.3	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 4500	1.4	56.0	67.0	73.2	77.0	77.4	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3	78.3
≥ 4000	1.4	57.3	68.6	74.9	78.8	79.3	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2
≥ 3500	1.4	58.0	69.6	76.0	80.0	80.5	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 3000	1.4	60.7	73.3	80.5	84.8	85.4	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5	86.5
≥ 2500	1.4	61.5	74.2	81.6	86.1	86.7	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8
≥ 2000	1.5	62.3	75.4	83.2	87.9	88.5	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 1800	1.5	62.4	75.5	83.4	88.1	88.7	89.6	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	90.0
≥ 1500	1.5	63.3	76.9	85.2	90.1	90.8	91.8	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3
≥ 1200	1.5	63.7	77.5	86.0	91.0	91.8	92.8	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.3	93.3
≥ 1000	1.5	64.2	78.6	87.6	92.9	93.6	94.7	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.3	95.3
≥ 900	1.5	64.5	78.9	88.0	93.4	94.2	95.3	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.9	95.9
≥ 800	1.5	64.6	79.1	88.5	94.2	95.1	96.2	96.3	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700	1.5	64.7	79.2	88.9	94.8	95.7	96.9	97.0	97.1	97.4	97.5	97.5	97.5	97.5	97.6	97.6
≥ 600	1.6	64.8	79.4	89.2	95.3	96.3	97.6	97.7	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4
≥ 500	1.6	64.9	79.5	89.4	95.5	96.6	98.3	98.5	98.6	99.0	99.2	99.2	99.3	99.3	99.4	99.4
≥ 400	1.7	64.9	79.5	89.5	95.7	96.8	98.6	98.8	98.8	99.3	99.5	99.5	99.6	99.6	99.7	99.7
≥ 300	1.7	64.9	79.5	89.5	95.7	96.8	98.6	98.9	98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.9
≥ 200	1.7	64.9	79.5	89.5	95.7	96.8	98.7	99.0	99.0	99.5	99.7	99.7	99.8	99.8	99.9	99.9
≥ 100	1.7	64.9	79.5	89.5	95.8	96.8	98.7	99.0	99.0	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	1.7	64.9	79.5	89.5	95.8	96.8	98.7	99.0	99.0	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5628

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

124040  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	.4	54.3	58.1	60.2	61.1	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1
≥ 20000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1
≥ 18000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1
≥ 16000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1
≥ 14000	.4	56.2	60.2	62.2	63.2	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1
≥ 12000	.4	56.9	60.9	62.9	63.9	64.1	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
≥ 10000	.4	60.6	65.1	67.2	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥ 9000	.4	60.6	65.1	67.2	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥ 8000	.4	63.2	68.7	71.2	72.3	72.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 7000	.4	64.3	69.9	72.4	73.5	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5
≥ 6000	.4	65.0	70.7	73.2	74.3	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3
≥ 5000	.4	66.6	72.4	75.1	76.2	76.5	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
≥ 4500	.4	68.8	74.7	77.5	78.7	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.7
≥ 4000	.4	70.1	76.5	79.5	80.8	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7
≥ 3500	.4	71.0	77.7	80.8	82.0	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0
≥ 3000	.4	73.8	80.9	84.2	85.6	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
≥ 2500	.4	74.2	82.3	85.7	87.2	87.5	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2
≥ 2000	.4	74.6	83.1	87.0	88.5	88.7	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6
≥ 1800	.4	74.7	83.2	87.1	88.6	88.9	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 1500	.4	75.1	84.1	88.0	90.0	90.2	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1
≥ 1200	.4	75.3	84.3	88.3	90.2	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
≥ 1000	.4	75.5	84.8	89.0	91.2	91.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
≥ 900	.4	75.8	85.0	89.3	91.8	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9
≥ 800	.4	75.8	85.2	89.4	91.9	92.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.3	93.3
≥ 700	.4	75.8	85.4	90.0	92.7	93.1	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1
≥ 600	.4	75.8	85.4	90.1	93.0	94.0	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
≥ 500	.4	76.4	86.3	91.1	94.0	95.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4
≥ 400	.4	76.6	86.8	91.8	94.8	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
≥ 300	.4	76.6	86.8	91.8	94.9	96.4	97.8	98.1	98.1	98.2	98.4	98.4	98.4	98.4	98.5	98.8
≥ 200	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.5	98.8	98.8	98.8	98.8	99.2	99.5
≥ 100	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.6	98.9	98.9	98.9	99.2	99.3	99.5
≥ 0	.4	76.8	87.0	91.9	95.1	96.6	98.1	98.4	98.4	98.6	98.9	98.9	98.9	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 728



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	.5	50.2	53.6	55.7	56.9	57.0	57.7	58.1	58.1	58.5	58.5	58.5	58.7	58.7	58.8	59.4
≥ 20000	.5	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 18000	.3	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 16000	.3	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 14000	.3	52.3	56.1	58.1	59.6	59.8	60.6	61.1	61.1	61.6	61.6	61.6	61.7	61.7	61.8	62.4
IV 12000	.3	52.7	56.5	58.5	60.1	60.2	61.0	61.6	61.6	62.0	62.0	62.0	62.1	62.1	62.2	62.8
IV 10000	.3	56.5	60.6	62.7	64.2	64.3	65.1	65.8	65.8	66.2	66.2	66.2	66.3	66.3	66.5	67.0
IV 9000	.3	56.8	60.9	62.9	64.4	64.6	65.4	66.1	66.1	66.5	66.5	66.5	66.6	66.6	66.8	67.3
IV 8000	.5	62.7	67.4	69.8	71.4	71.5	72.4	73.1	73.1	73.5	73.5	73.5	73.6	73.6	73.7	74.3
IV 7000	.5	63.6	68.4	70.7	72.4	72.5	73.3	74.0	74.0	74.4	74.4	74.4	74.6	74.6	74.7	75.2
IV 6000	.5	63.6	68.4	70.7	72.4	72.5	73.3	74.0	74.0	74.4	74.4	74.4	74.6	74.6	74.7	75.2
IV 5000	.5	64.7	69.6	72.1	73.7	73.9	74.7	75.4	75.4	75.8	75.8	75.8	75.9	75.9	76.1	76.6
IV 4500	.5	67.0	72.0	74.4	76.1	76.2	77.0	77.7	77.7	78.1	78.1	78.1	78.2	78.2	78.4	78.9
IV 4000	.5	67.4	73.2	75.8	77.4	77.6	78.4	79.1	79.1	79.5	79.5	79.5	79.6	79.6	79.8	80.3
IV 3500	.5	68.0	74.1	77.0	78.7	78.8	79.6	80.3	80.3	80.7	80.7	80.7	80.8	80.8	81.0	81.5
IV 3000	.5	70.0	76.5	79.3	81.1	81.3	82.1	82.8	82.8	83.2	83.2	83.2	83.3	83.3	83.4	84.0
IV 2500	.5	71.3	78.0	80.8	82.8	82.9	83.7	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.1	85.6
IV 2000	.5	71.7	78.9	81.8	83.7	84.0	84.8	85.5	85.5	85.9	85.9	85.9	86.0	86.0	86.2	86.7
IV 1800	.5	72.0	79.2	82.1	84.0	84.3	85.1	85.8	85.8	86.2	86.2	86.2	86.3	86.3	86.5	87.0
IV 1500	.5	72.6	81.1	84.0	86.2	86.5	87.4	88.1	88.1	88.5	88.5	88.5	88.6	88.6	88.8	89.3
IV 1200	.5	72.6	81.1	84.3	86.6	86.9	87.8	88.5	88.5	88.9	88.9	88.9	89.1	89.1	89.2	89.7
IV 1000	.5	73.1	81.9	85.8	88.1	88.4	89.7	90.4	90.4	90.8	90.8	90.8	91.0	91.0	91.1	91.7
IV 900	.5	73.1	81.9	85.9	88.2	88.5	90.0	90.7	90.7	91.1	91.1	91.1	91.2	91.2	91.4	91.9
IV 800	.5	73.3	82.2	86.5	88.8	89.1	90.6	91.2	91.2	91.7	91.7	91.7	91.8	91.8	91.9	92.5
IV 700	.5	73.3	82.2	86.5	88.9	89.3	91.4	92.1	92.1	92.5	92.5	92.5	92.6	92.6	92.7	93.3
IV 600	.5	73.6	82.5	86.7	89.5	90.0	92.2	92.9	92.9	93.4	93.4	93.4	93.6	93.6	93.7	94.3
IV 500	.5	73.6	82.6	86.9	89.9	90.4	92.9	93.7	93.7	94.3	94.3	94.3	94.4	94.4	94.5	95.1
IV 400	.5	73.6	82.6	87.4	90.4	91.1	94.0	94.9	94.9	95.8	95.8	95.8	95.9	95.9	96.0	96.6
IV 300	.5	73.6	82.6	87.4	90.6	91.2	94.1	95.1	95.1	96.2	96.4	96.4	96.9	96.9	97.0	97.7
IV 200	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.3	97.3	97.7	97.7	98.2	98.9
IV 100	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.4	97.4	97.8	97.8	98.4	99.5
IV 0	.5	73.9	82.9	87.8	91.0	91.7	94.7	95.8	95.8	96.9	97.4	97.4	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PAUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LT)

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.4	44.3	47.9	52.0	53.5	53.8	54.4	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.4	56.4
≥ 20000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
≥ 18000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
≥ 16000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
≥ 14000	.7	47.5	51.8	56.6	58.4	59.0	59.6	59.9	59.9	60.2	60.2	60.2	60.6	60.6	60.9	62.1
≥ 12000	.7	48.0	52.4	57.2	59.0	59.6	60.3	60.6	60.6	60.9	60.9	60.9	61.3	61.3	61.6	62.8
≥ 10000	1.1	51.3	56.4	61.1	63.1	63.7	64.6	65.0	65.0	65.3	65.3	65.3	65.7	65.7	65.9	67.2
≥ 9000	1.1	52.1	57.2	62.0	63.9	64.6	65.4	65.8	65.8	66.1	66.1	66.1	66.5	66.5	66.8	68.0
≥ 8000	1.4	56.2	61.7	67.0	69.2	69.9	70.7	71.1	71.1	71.4	71.4	71.4	71.8	71.8	72.1	73.3
≥ 7000	1.4	56.8	62.4	67.7	69.9	70.6	71.4	71.8	71.8	72.1	72.1	72.1	72.5	72.5	72.8	74.0
≥ 6000	1.4	57.0	62.7	68.0	70.2	70.9	71.7	72.1	72.1	72.4	72.4	72.4	72.8	72.8	73.1	74.3
≥ 5000	1.4	58.4	64.0	69.6	72.2	72.9	73.9	74.3	74.3	74.6	74.6	74.6	75.0	75.0	75.2	76.5
≥ 4500	1.4	59.2	64.8	70.7	73.3	74.0	75.0	75.5	75.5	75.8	75.8	75.8	76.2	76.2	76.5	77.7
≥ 4000	1.4	61.6	67.4	73.6	76.5	77.2	78.1	78.7	78.7	78.9	78.9	78.9	79.3	79.3	79.6	80.8
≥ 3500	1.5	62.5	68.8	75.2	78.2	78.9	79.9	80.4	80.4	80.7	80.7	80.7	81.1	81.1	81.4	82.6
≥ 3000	1.5	64.2	70.6	77.4	80.6	81.4	82.4	82.9	82.9	83.2	83.2	83.2	83.6	83.6	83.9	85.1
≥ 2500	1.5	64.7	71.3	78.5	82.2	83.0	84.0	84.5	84.5	84.8	84.8	84.8	85.2	85.2	85.5	86.7
≥ 2000	1.5	65.3	71.8	79.1	83.0	83.9	84.8	85.4	85.4	85.6	85.6	85.6	86.0	86.0	86.3	87.6
≥ 1800	1.5	65.3	71.8	79.1	83.0	83.9	84.8	85.4	85.4	85.6	85.6	85.6	86.0	86.0	86.3	87.6
≥ 1500	1.5	66.2	73.2	80.6	84.7	85.5	86.5	87.0	87.0	87.3	87.3	87.3	87.7	87.7	88.0	89.2
≥ 1200	1.5	66.4	73.9	81.7	85.9	86.7	87.7	88.2	88.2	88.5	88.5	88.5	88.9	88.9	89.2	90.4
≥ 1000	1.5	66.3	74.6	82.9	87.3	88.1	89.1	89.7	89.7	90.2	90.2	90.2	90.6	90.6	90.8	92.1
≥ 900	1.5	66.3	74.6	83.0	87.6	88.4	89.4	90.0	90.0	90.4	90.4	90.4	90.8	90.8	91.1	92.3
≥ 800	1.5	66.5	74.7	83.4	88.4	89.2	90.3	91.2	91.2	91.7	91.7	91.7	92.1	92.1	92.3	93.6
≥ 700	1.5	66.5	75.0	84.1	89.3	90.2	91.4	92.3	92.3	92.9	92.9	92.9	93.3	93.3	93.6	94.8
≥ 600	1.5	66.5	75.1	84.8	90.0	91.0	92.3	93.3	93.3	93.8	93.8	93.8	94.3	94.3	94.5	95.8
≥ 500	1.5	66.5	75.1	84.8	90.2	91.1	92.7	93.7	93.7	94.3	94.3	94.3	94.7	94.7	94.9	96.2
≥ 400	1.5	66.5	75.1	84.8	90.3	91.2	93.0	94.1	94.1	94.9	94.9	94.9	95.3	95.3	95.6	96.9
≥ 300	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.2	95.3	95.3	95.9	95.9	96.2	97.8
≥ 200	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.2	95.5	95.5	96.2	96.2	96.9	98.6
≥ 100	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.3	95.6	95.6	96.6	96.6	97.8	99.9
≥ 0	1.5	66.5	75.1	84.8	90.3	91.2	93.2	94.3	94.3	95.3	95.6	95.6	96.6	96.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124 J4U  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	1.5	50.4	53.0	54.2	54.8	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	2.2	55.9	59.2	60.7	61.2	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	2.2	55.9	59.3	60.8	61.3	61.5	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	2.2	56.6	60.2	61.7	62.3	62.4	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	2.6	59.2	63.0	64.6	65.2	65.3	65.7	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	2.6	59.6	63.4	65.0	65.6	65.7	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	3.0	64.2	68.4	70.2	70.8	70.9	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	3.0	64.8	69.4	71.3	71.9	72.0	72.4	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	3.0	65.0	69.8	71.7	72.3	72.4	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	3.0	66.1	71.0	73.2	73.9	74.0	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	3.0	66.7	71.7	74.0	74.7	74.9	75.4	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4000	3.0	69.5	75.3	77.6	78.3	78.4	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	3.0	70.5	76.2	78.6	79.4	79.6	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	3.0	72.7	79.0	81.6	82.5	82.8	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2500	3.0	74.2	80.5	83.2	84.2	84.4	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	3.0	75.3	82.2	85.1	86.6	86.9	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	3.0	75.3	82.2	85.1	86.6	86.9	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	3.0	76.4	83.3	86.2	88.1	88.5	89.1	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	3.0	77.2	84.3	87.4	89.8	90.2	90.7	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	3.0	77.7	85.0	88.4	90.8	91.5	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	3.0	77.7	85.0	88.4	90.8	91.5	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	3.0	77.7	85.0	88.4	90.8	91.5	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	3.0	78.3	85.9	89.6	92.5	93.3	94.7	94.9	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	3.0	78.4	86.2	90.0	93.0	94.0	95.4	95.6	95.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	3.0	78.7	86.5	90.4	93.3	94.3	96.0	96.3	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	3.0	79.0	86.7	90.6	93.6	94.5	96.3	96.9	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4
≥ 300	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	98.9	99.0
≥ 200	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	99.0	99.2
≥ 100	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	99.2	100.0
≥ 0	3.0	79.0	86.7	90.6	93.7	94.8	96.6	97.1	97.1	98.4	98.6	98.6	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

732

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING	1.0	49.3	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	2.1	57.1	59.2	59.9	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	2.2	57.3	59.3	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000	2.2	57.3	59.3	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000	2.2	57.8	59.9	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	2.3	58.4	60.4	61.1	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 10000	2.5	61.1	63.3	64.1	64.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	4.5	62.1	64.7	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000	2.9	67.3	70.5	71.3	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	2.9	67.7	70.9	71.7	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	2.9	68.3	71.4	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	3.0	69.2	72.4	73.2	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4500	3.0	70.5	73.6	74.5	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000	3.0	73.6	77.1	78.2	78.6	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	3.2	75.4	78.8	79.9	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	3.2	79.5	83.9	85.3	85.7	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	3.2	80.5	85.0	86.4	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	3.2	82.1	86.7	88.2	89.1	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	3.2	82.3	86.8	88.3	89.3	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	3.2	82.8	88.0	89.8	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	3.2	83.0	88.3	90.1	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	3.2	83.5	89.1	91.1	93.7	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	3.2	83.8	89.4	91.8	94.4	95.3	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	3.2	83.8	89.4	92.0	94.9	95.9	96.3	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0
≥ 700	3.2	83.9	89.8	92.6	95.6	96.7	97.1	97.8	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1
≥ 600	3.2	84.1	90.1	93.1	96.3	97.4	97.8	98.5	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8
≥ 500	3.2	84.2	90.2	93.4	96.6	97.7	98.1	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 400	3.2	84.2	90.2	93.7	96.8	97.9	98.5	99.2	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6
≥ 300	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9
≥ 200	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9
≥ 100	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9
≥ 0	3.2	84.2	90.2	93.7	96.8	97.9	98.6	99.3	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

UCI  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	1.2	48.3	50.9	51.8	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	1.4	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	1.4	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	1.4	54.4	57.3	58.4	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	1.8	55.0	57.8	58.9	59.3	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	1.8	55.9	58.8	59.9	60.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 10000	2.3	61.1	64.0	65.1	65.6	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	2.3	62.1	64.9	66.0	66.6	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	2.5	67.7	71.4	72.7	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	2.5	68.6	72.4	73.9	75.0	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	2.5	69.4	73.3	74.8	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	2.7	71.1	75.0	76.7	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	2.7	72.0	76.3	78.0	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	2.7	74.5	79.0	81.0	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	2.7	75.9	80.4	82.5	84.0	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	2.7	79.3	84.0	86.6	88.1	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2500	2.7	80.6	85.7	88.4	90.2	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	2.7	81.7	86.8	89.8	92.0	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	2.7	82.0	87.0	90.0	92.2	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	2.7	82.4	87.4	91.0	93.3	94.1	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	2.7	82.8	88.4	91.5	93.9	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	2.7	83.2	88.9	92.2	94.5	95.4	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	2.7	83.4	89.2	92.5	95.2	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	2.7	83.4	89.2	93.0	95.9	97.0	97.4	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	2.7	83.4	89.2	93.5	96.5	97.5	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	2.7	83.6	89.5	93.9	96.9	98.0	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	2.7	83.9	89.8	94.1	97.1	98.2	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 200	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	2.7	83.9	89.9	94.3	97.3	98.4	98.9	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PAIDRENT RIVER NAS MU  
STATION NAME

15-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	.3	50.2	53.6	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	.3	56.8	60.4	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	.3	57.2	61.1	62.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	.3	60.7	64.6	66.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	.3	61.3	65.7	67.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000	.4	67.5	72.6	74.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	.4	69.2	74.7	76.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	.4	69.7	75.4	77.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000	.4	70.2	76.1	78.1	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	.4	71.7	78.1	80.2	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	.4	74.4	81.0	83.4	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	.4	75.8	82.4	84.7	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	.4	77.7	84.7	88.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	.4	78.4	85.4	89.8	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	.4	79.2	86.5	91.3	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	.4	79.4	86.7	91.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	.4	79.6	87.5	92.3	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	.4	80.1	88.0	93.0	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	.4	80.2	88.4	93.8	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	.4	80.3	88.6	93.9	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	.4	80.5	88.7	94.5	97.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	.4	80.9	89.1	95.0	97.5	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	.4	81.0	89.3	95.2	97.7	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	.4	81.0	89.3	95.2	97.8	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	.4	81.0	89.3	95.2	97.8	98.2	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MU  
STATION NAME

73-80  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2500  
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	.7	54.9	58.8	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	.7	58.5	62.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	.7	59.2	63.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	.7	63.6	68.0	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	.7	63.9	68.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	.8	67.9	73.0	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	.8	68.8	74.2	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	.8	69.8	75.2	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	.8	70.8	76.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	.8	72.1	78.2	81.2	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	.8	73.8	80.4	83.4	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	.8	74.1	80.8	83.9	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	.8	76.7	84.6	88.1	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2500	.8	77.1	85.1	89.0	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	.8	78.3	86.8	90.8	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	.8	78.5	87.2	91.2	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	.8	78.6	88.1	92.3	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	.8	79.2	88.7	93.0	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	.8	79.3	89.7	94.2	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.8	79.6	90.1	95.2	96.1	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	.8	79.7	90.2	95.3	96.3	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	.8	79.7	90.2	95.4	96.4	96.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	.8	79.7	90.2	95.4	96.4	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	.8	79.7	90.2	95.4	96.6	97.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	.8	79.7	90.2	95.4	96.7	97.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 300	.8	79.7	90.2	95.4	96.7	97.4	98.6	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.6	99.6
≥ 200	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.7	99.7	99.9	99.9
≥ 100	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.7	99.7	100.0	100.0
≥ 0	.8	79.9	90.3	95.6	96.8	97.5	98.8	99.2	99.2	99.3	99.3	99.3	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	1.0	54.2	55.4	55.2	55.9	56.0	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 20000	1.0	54.8	58.3	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 18000	1.1	54.8	58.4	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 16000	1.1	54.8	58.4	60.3	61.1	61.4	61.7	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 14000	1.1	55.0	58.5	60.5	61.3	61.5	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2
IV 12000	1.1	55.6	59.2	61.1	62.0	62.2	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.9	62.9	63.2
IV 10000	1.3	59.2	63.1	65.1	66.0	66.3	66.6	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.3
IV 9000	1.3	59.8	63.8	65.8	66.7	67.0	67.3	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	68.0
IV 8000	1.5	64.6	69.2	71.6	72.6	72.9	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.7	73.9
IV 7000	1.5	65.5	70.3	72.7	73.7	74.0	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	75.0
IV 6000	1.5	66.0	70.8	73.3	74.3	74.6	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.6
IV 5000	1.5	66.1	72.1	74.6	75.7	76.1	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	77.1
IV 4500	1.5	65.5	73.7	76.3	77.5	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.8
IV 4000	1.5	70.6	76.2	79.1	80.3	80.7	81.0	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.5	81.7
IV 3500	1.6	71.6	77.4	80.3	81.7	82.0	82.4	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	83.1
IV 3000	1.6	74.2	80.5	83.9	85.3	85.7	86.1	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.6	86.8
IV 2500	1.6	75.1	81.6	85.2	86.8	87.2	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.3
IV 2000	1.6	76.0	82.8	86.6	88.5	89.0	89.5	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	90.2
IV 1800	1.6	76.2	83.0	86.8	88.7	89.2	89.7	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.4
IV 1500	1.6	76.7	84.1	88.0	90.1	90.6	91.2	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.9
IV 1200	1.6	77.0	84.6	88.7	91.0	91.4	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.7
IV 1000	1.6	77.4	85.3	89.7	92.1	92.6	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.9	93.9	94.1
IV 900	1.6	77.5	85.5	90.0	92.6	93.1	93.8	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.7
IV 800	1.6	77.6	85.6	90.4	93.0	93.7	94.5	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.2	95.4
IV 700	1.6	77.7	85.9	90.8	93.7	94.3	95.3	95.6	95.6	95.9	96.0	96.0	96.0	96.0	96.1	96.3
IV 600	1.6	77.8	86.0	91.2	94.1	94.9	95.8	96.2	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.9
IV 500	1.6	78.0	86.2	91.4	94.4	95.3	96.4	96.8	96.8	97.2	97.2	97.2	97.3	97.3	97.3	97.5
IV 400	1.6	78.1	86.4	91.6	94.7	95.6	96.9	97.5	97.5	97.9	98.0	98.0	98.1	98.1	98.2	98.4
IV 300	1.6	78.1	86.4	91.6	94.8	95.7	97.1	97.7	97.7	98.2	98.4	98.4	98.6	98.6	98.7	99.0
IV 200	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.4	98.6	98.6	98.9	98.9	99.1	99.5
IV 100	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.5	98.6	98.7	99.0	99.0	99.3	99.9
IV 0	1.6	78.1	86.4	91.7	94.8	95.8	97.2	97.8	97.8	98.5	98.6	98.7	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5835

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

125140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.1	56.3	58.2	59.4	60.6	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.9
≥ 20000	1.1	59.8	61.9	63.2	64.4	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.7
≥ 18000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
≥ 16000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
≥ 14000	1.1	59.9	62.0	63.3	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.8
≥ 12000	1.1	60.1	62.2	63.4	64.7	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.4	66.0
≥ 10000	1.1	62.9	65.1	66.7	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.5
≥ 9000	1.1	62.9	65.1	66.7	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.5
≥ 8000	1.1	67.7	70.3	72.6	74.7	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	76.1
≥ 7000	1.1	69.3	72.3	74.5	76.7	76.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5	78.1
≥ 6000	1.1	70.0	73.0	75.2	77.4	77.4	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.2	78.8
≥ 5000	1.1	70.2	73.3	75.5	77.6	77.6	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.5	79.0
≥ 4500	1.1	71.3	74.4	76.9	79.0	79.0	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9	80.5
≥ 4000	1.1	73.4	76.7	79.3	81.4	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.8
≥ 3500	1.1	75.0	78.2	80.9	83.0	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8	84.4
≥ 3000	1.1	75.9	79.5	82.4	84.7	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	86.1
≥ 2500	1.1	76.4	80.2	83.1	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.2	86.8
≥ 2000	1.1	76.7	80.7	83.7	85.9	86.4	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.8
≥ 1800	1.1	76.9	81.2	84.1	86.4	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6	88.2
≥ 1500	1.1	77.1	81.4	84.7	86.9	87.3	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.2	88.7
≥ 1200	1.1	77.9	82.6	85.8	88.0	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.9
≥ 1000	1.1	78.2	83.1	86.8	89.0	89.5	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.9
≥ 900	1.1	78.2	83.8	87.6	89.9	90.4	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.8
≥ 800	1.1	78.2	84.0	88.2	90.4	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.8	92.4
≥ 700	1.1	78.5	84.2	88.9	91.3	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.5
≥ 600	1.1	78.6	84.5	89.2	91.8	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.5
≥ 500	1.1	78.8	85.1	89.9	92.7	93.7	94.1	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.9	95.5
≥ 400	1.1	78.8	85.4	90.4	93.5	94.9	95.8	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.8	97.3
≥ 300	1.1	78.8	85.4	90.4	94.0	95.4	96.2	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.5	98.0
≥ 200	1.1	78.8	85.4	90.4	94.0	95.4	96.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.5
≥ 100	1.1	78.8	85.4	90.4	94.0	95.4	96.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.5
≥ 0	1.1	78.8	85.4	90.4	94.0	95.4	96.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.5

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0500-0500  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	1.3	53.8	56.5	57.5	58.6	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.7	60.3
≥ 20000	1.3	57.9	60.6	61.5	62.7	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.8	64.4
≥ 18000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
≥ 16000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
≥ 14000	1.3	58.0	61.0	62.0	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.2	64.8
≥ 12000	1.3	58.3	61.4	62.4	63.5	63.7	64.2	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6	65.2
≥ 10000	1.3	60.6	63.7	64.6	66.2	66.3	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.3	67.9
≥ 9000	1.3	60.7	63.9	64.9	66.5	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.6	68.2
≥ 8000	1.3	65.4	69.3	70.8	72.4	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.4	73.5	74.1
≥ 7000	1.3	66.2	70.6	72.1	73.7	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.8	75.4
≥ 6000	1.3	66.6	71.0	72.5	74.1	74.2	74.8	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.2	75.8
≥ 5000	1.3	67.2	71.5	73.1	74.6	74.8	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.8	76.3
≥ 4500	1.3	68.0	72.4	74.1	75.6	75.8	76.3	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.8	77.3
≥ 4000	1.3	70.0	74.4	76.6	78.5	78.7	79.3	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.7	80.3
≥ 3500	1.3	71.1	75.5	77.7	79.6	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.8	81.4
≥ 3000	1.3	72.3	76.9	79.3	81.1	81.4	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.5	83.1
≥ 2500	1.3	73.4	78.7	81.1	83.0	83.2	83.9	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.4	84.9
≥ 2000	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
≥ 1800	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
≥ 1500	1.3	74.5	79.4	82.4	84.4	84.6	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.8	86.3
≥ 1200	1.3	75.2	80.4	83.5	85.6	85.9	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.2	87.7
≥ 1000	1.3	75.9	82.1	85.5	87.6	87.9	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.2	89.7
≥ 900	1.3	76.2	82.4	85.9	88.0	88.3	89.4	89.6	89.6	89.7	89.7	89.7	89.9	89.9	90.0	90.6
≥ 800	1.3	76.2	82.7	86.5	88.7	89.0	90.1	90.3	90.3	90.4	90.4	90.4	90.6	90.6	90.7	91.3
≥ 700	1.3	76.2	82.7	87.0	89.3	89.6	90.7	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.3	91.8
≥ 600	1.3	76.2	83.0	87.6	90.0	90.6	91.7	92.1	92.1	92.3	92.3	92.3	92.4	92.4	92.5	93.1
≥ 500	1.3	76.2	83.2	88.2	91.3	92.0	93.2	93.7	93.7	93.8	93.8	93.8	93.9	93.9	94.1	94.6
≥ 400	1.3	76.6	83.8	89.2	92.7	93.4	94.9	95.9	95.9	96.3	96.3	96.3	96.5	96.5	96.6	97.2
≥ 300	1.3	76.6	83.8	89.2	92.7	93.4	94.9	96.2	96.2	96.8	96.8	96.8	96.9	96.9	97.0	97.6
≥ 200	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.6	97.6	98.0	98.7
≥ 100	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.9	97.9	98.3	99.3
≥ 0	1.3	76.6	83.8	89.2	92.7	93.4	95.1	96.3	96.3	96.9	97.3	97.3	97.9	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 710

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .2	≥ .1	≥ 0
NO CEILING	3.1	48.8	52.2	54.0	55.2	55.2	55.9	56.2	56.3	56.7	56.7	56.7	56.7	56.7	57.3	57.6
≥ 20000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
≥ 18000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
≥ 16000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
≥ 14000	3.3	53.5	57.9	59.7	61.4	61.6	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.7	64.0
≥ 12000	3.3	54.2	58.7	60.6	62.3	62.4	63.1	63.4	63.5	64.0	64.0	64.0	64.0	64.0	64.5	64.8
≥ 10000	3.3	56.9	62.0	64.1	66.0	66.1	66.8	67.1	67.2	67.7	67.7	67.7	67.7	67.7	68.2	68.5
≥ 9000	3.3	56.9	62.0	64.1	66.0	66.1	66.8	67.1	67.2	67.7	67.7	67.7	67.7	67.7	68.2	68.5
≥ 8000	3.3	62.0	67.2	70.4	72.2	72.5	73.2	73.5	73.6	74.0	74.0	74.0	74.0	74.0	74.6	74.9
≥ 7000	3.3	63.1	68.7	71.8	73.6	73.9	74.6	74.9	75.0	75.5	75.5	75.5	75.5	75.5	76.0	76.3
≥ 6000	3.3	63.5	69.1	72.2	74.0	74.3	75.0	75.3	75.5	75.9	75.9	75.9	75.9	75.9	76.5	76.7
≥ 5000	3.3	64.4	69.9	73.0	74.9	75.2	75.9	76.2	76.3	76.7	76.7	76.7	76.7	76.7	77.3	77.6
≥ 4500	3.3	65.4	70.9	74.2	76.0	76.3	77.0	77.3	77.4	77.9	77.9	77.9	77.9	77.9	78.4	78.7
≥ 4000	3.3	67.0	72.6	76.6	78.6	78.9	79.6	79.9	80.0	80.4	80.4	80.4	80.4	80.4	81.0	81.3
≥ 3500	3.3	67.2	72.9	76.9	78.9	79.1	79.9	80.1	80.3	80.7	80.7	80.7	80.7	80.7	81.3	81.6
≥ 3000	3.3	67.5	73.3	77.4	79.4	79.7	80.6	80.9	81.0	81.4	81.4	81.4	81.4	81.4	82.1	82.4
≥ 2500	3.3	68.2	74.2	78.6	81.1	81.4	82.3	82.6	82.7	83.1	83.1	83.1	83.1	83.1	83.8	84.1
≥ 2000	3.3	68.7	74.8	79.1	82.3	82.7	83.7	84.0	84.1	84.5	84.5	84.5	84.5	84.5	85.2	85.5
≥ 1800	3.3	68.8	74.9	79.3	82.4	82.8	84.0	84.3	84.4	84.8	84.8	84.8	84.8	84.8	85.5	85.8
≥ 1500	3.3	68.9	75.0	79.9	83.3	83.7	84.8	85.1	85.2	85.7	85.7	85.7	85.7	85.7	86.0	86.7
≥ 1200	3.3	69.2	75.7	81.0	84.4	84.8	86.0	86.2	86.4	86.8	86.8	86.8	86.8	87.1	87.8	88.1
≥ 1000	3.3	69.4	76.2	81.7	85.2	86.0	87.1	87.4	87.5	87.9	87.9	87.9	87.9	88.2	88.9	89.2
≥ 900	3.3	69.4	76.3	82.0	85.7	86.4	87.5	87.8	87.9	88.4	88.4	88.4	88.4	88.7	89.4	89.6
≥ 800	3.3	69.6	76.6	82.4	86.4	87.2	88.4	88.7	88.8	89.2	89.2	89.2	89.2	89.5	90.2	90.5
≥ 700	3.3	69.6	76.7	82.6	87.0	87.9	89.1	89.5	89.6	90.1	90.1	90.1	90.1	90.4	91.1	91.3
≥ 600	3.3	69.8	77.0	83.1	87.8	89.4	90.5	91.1	91.2	91.6	91.6	91.6	91.6	91.9	92.6	92.9
≥ 500	3.3	69.8	77.2	83.5	88.9	90.5	92.1	92.8	92.9	93.5	93.5	93.5	93.5	93.8	94.5	94.8
≥ 400	3.3	69.9	77.6	84.1	89.6	91.2	92.8	93.9	94.0	94.6	95.0	95.0	95.0	95.3	96.0	96.3
≥ 300	3.3	69.9	77.6	84.1	89.6	91.2	93.0	94.3	94.5	95.2	95.6	95.6	95.6	96.0	96.7	97.0
≥ 200	3.3	69.9	77.6	84.1	89.9	91.5	93.6	94.9	95.0	96.0	96.7	96.7	96.7	97.4	98.4	99.3
≥ 100	3.3	69.9	77.6	84.1	90.1	91.6	93.8	95.0	95.2	96.2	96.9	96.9	96.9	97.6	98.7	99.7
≥ 0	3.3	69.9	77.6	84.1	90.1	91.6	93.8	95.0	95.2	96.2	96.9	96.9	96.9	97.6	98.7	99.7

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PAUXENI RIVER NAS MD  
STATION NAME

75-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	3.8	49.0	51.7	53.5	53.8	53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	4.7	54.1	57.1	59.2	59.8	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.6
IV 18000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 16000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 14000	4.7	54.1	57.2	59.3	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.8
IV 12000	4.7	54.5	57.6	59.8	60.3	60.6	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.2
IV 10000	4.7	58.4	61.9	64.0	64.9	65.2	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	66.0
IV 9000	4.8	58.8	62.3	64.4	65.3	65.6	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.4
IV 8000	5.0	63.7	67.4	69.7	70.5	70.8	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.7
IV 7000	5.0	65.7	69.7	72.2	73.1	73.4	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.2
IV 6000	5.0	66.4	70.4	73.1	74.1	74.4	74.6	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.2
IV 5000	5.0	67.3	71.4	74.1	75.4	75.6	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.5
IV 4500	5.0	69.0	73.4	77.1	78.5	78.9	79.2	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.7
IV 4000	5.0	70.0	74.4	78.5	79.9	80.5	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.3
IV 3500	5.0	70.4	74.6	78.8	80.2	80.7	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.6
IV 3000	5.0	71.5	76.3	81.0	82.7	83.5	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.4
IV 2500	5.0	72.4	77.2	81.9	83.6	84.1	84.7	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.3
IV 2000	5.0	73.4	78.3	83.1	84.8	85.7	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	87.0
IV 1800	5.0	73.5	78.5	83.3	85.0	85.8	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	87.1
IV 1500	5.0	74.1	79.2	84.1	85.8	86.7	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	88.1
IV 1200	5.0	74.1	79.3	84.3	86.4	87.4	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.8
IV 1000	5.0	74.2	79.6	84.8	87.0	88.0	88.7	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.5
IV 900	5.0	74.2	79.7	85.3	87.7	88.7	89.5	89.8	89.8	89.9	90.1	90.1	90.2	90.2	90.2	90.5
IV 800	5.0	74.2	79.7	85.7	88.1	89.2	90.4	90.7	90.7	90.8	90.9	90.9	91.1	91.1	91.1	91.4
IV 700	5.0	74.2	79.7	85.7	88.5	89.8	90.9	91.5	91.5	91.6	91.8	91.8	91.9	91.9	91.9	92.2
IV 600	5.0	74.4	80.0	86.3	89.4	90.8	92.1	92.8	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.6
IV 500	5.0	74.4	80.2	86.5	89.9	91.5	93.1	93.9	94.1	94.8	94.9	94.9	95.0	95.0	95.0	95.3
IV 400	5.0	74.6	80.5	87.1	90.5	92.6	94.3	95.8	95.9	96.7	96.9	96.9	97.3	97.3	97.3	97.6
IV 300	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.2	96.3	97.5	97.6	97.6	98.3	98.3	98.3	99.2
IV 200	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.5	97.6	98.2	98.2	98.9	98.9	98.9	99.9
IV 100	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.5	97.6	98.2	98.2	98.9	98.9	98.9	99.9
IV 0	5.0	74.6	80.5	87.1	90.5	92.9	94.8	96.3	96.5	97.6	98.2	98.2	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 J40 PATUXENT RIVER NAS MD

73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	4.5	47.7	49.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	5.0	54.9	57.3	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	5.0	55.0	57.6	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	5.1	55.6	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	5.1	59.1	62.4	63.4	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000	5.1	59.4	62.8	63.8	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	5.1	63.5	67.1	68.1	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	5.1	65.0	68.7	69.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	5.1	65.8	69.5	70.6	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	5.1	67.0	70.6	71.9	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	5.1	67.8	71.8	73.3	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	5.1	70.9	75.3	77.0	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	5.4	72.6	77.4	79.6	81.8	81.8	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	5.4	75.9	81.0	83.5	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	5.4	76.3	81.4	84.0	86.2	86.2	86.5	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	5.4	77.2	82.4	85.1	87.5	87.5	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	5.4	77.2	82.6	85.2	87.8	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	5.4	77.7	83.7	87.0	89.5	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	5.4	77.7	83.7	87.5	90.2	90.2	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	5.4	77.9	83.8	87.8	90.6	90.8	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	5.4	77.9	84.0	88.1	90.9	91.1	91.3	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	5.4	77.9	84.3	88.5	91.5	91.6	92.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	5.4	77.9	84.4	88.7	91.6	91.8	92.5	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.3	93.3
≥ 600	5.4	77.9	84.4	88.9	92.1	92.2	93.2	93.8	93.8	94.0	94.5	94.5	94.5	94.5	94.6	94.9
≥ 500	5.4	77.9	84.5	89.2	92.9	93.5	95.2	95.9	95.9	96.3	97.0	97.0	97.0	97.0	97.2	97.4
≥ 400	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.2	97.2	98.2	98.9	98.9	98.9	98.9	99.0	99.3
≥ 300	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.2	97.2	98.2	99.0	99.0	99.0	99.0	99.4	99.9
≥ 200	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.1	99.6	100.0
≥ 100	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.1	99.6	100.0
≥ 0	5.4	77.9	84.5	89.2	93.0	93.6	95.9	97.3	97.3	98.3	99.1	99.1	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFM WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

174040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME (H)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22.5	22	21.5	21.4	21	24	24	23	23.6	24	20
NO CEILING	48.3	44.9	47.2	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	48.4	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	48.6	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	48.6	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	48.6	52.2	54.5	55.5	55.5	55.6	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000	48.7	53.5	55.9	57.1	57.1	57.2	57.5	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 10000	48.7	58.6	61.3	62.3	63.2	63.3	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 9000	48.7	58.9	61.5	62.6	63.5	63.6	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 8000	48.7	64.3	67.9	69.5	70.5	70.5	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	48.7	65.6	69.5	71.0	72.2	72.3	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	48.7	66.2	70.0	71.6	72.9	73.0	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	48.7	67.6	71.9	73.5	74.9	75.0	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	48.7	69.0	73.6	75.3	77.0	77.2	77.6	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4000	48.9	71.3	77.2	79.0	80.7	80.9	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	50.1	73.2	79.2	81.5	83.2	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	50.1	75.5	81.9	85.0	86.9	87.2	87.6	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2500	50.1	76.0	82.5	86.0	88.3	88.6	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	50.1	76.2	82.7	86.3	88.6	89.0	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	50.1	76.3	82.9	86.7	89.2	89.6	90.3	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	50.1	76.9	83.7	87.6	90.0	90.4	91.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	50.1	76.9	84.8	87.9	90.4	90.9	91.7	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1000	50.1	77.5	84.6	88.4	91.3	91.7	92.6	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 900	50.1	77.5	84.6	88.6	91.4	91.9	92.7	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	50.1	77.6	84.9	89.2	92.2	92.6	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	50.1	77.6	84.9	89.4	92.7	93.2	94.2	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	50.1	77.7	85.0	89.6	92.9	93.7	94.9	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	50.1	77.9	85.2	89.7	93.4	94.3	95.6	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.1	97.1
IV 400	50.1	77.9	85.3	89.9	93.6	94.4	95.9	96.7	96.9	97.7	97.9	97.9	98.0	98.0	98.1	98.1
IV 300	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.3	98.3	98.4	98.4	98.6	98.7
IV 200	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	99.3	99.6
IV 100	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	99.3	100.0
IV 0	50.1	77.9	85.4	90.0	93.7	94.6	96.1	97.1	97.3	98.1	98.6	98.6	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	.4	48.7	50.3	51.7	52.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 16000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 14000	.4	56.9	58.5	60.2	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	.4	57.5	59.1	60.8	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000	.4	62.0	63.6	66.0	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	.4	66.3	68.3	71.5	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 6000	.4	67.6	69.8	73.2	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	.4	68.8	71.4	74.8	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	.4	70.3	72.9	76.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	.4	73.1	76.5	80.3	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	.4	73.7	77.2	81.2	83.4	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	.4	75.6	79.3	83.4	85.7	85.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500	.4	75.9	79.6	83.9	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	.4	76.1	80.0	85.0	87.7	87.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1800	.4	76.1	80.2	85.1	87.8	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	.4	76.5	81.4	86.7	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200	.4	76.8	82.0	87.4	90.4	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1000	.4	77.2	82.6	88.1	91.5	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 900	.4	77.2	82.9	88.5	92.2	92.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	.4	77.2	82.9	88.6	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	.4	77.2	83.0	89.0	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 600	.4	77.2	83.0	89.0	93.2	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	.4	77.2	83.0	89.1	93.8	94.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	.4	77.2	83.0	89.2	94.1	94.5	95.8	96.0	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7
IV 300	.4	77.2	83.0	89.4	94.8	95.3	96.7	97.0	97.0	97.7	98.0	98.2	98.3	98.3	98.3	98.4
IV 200	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	98.9	98.9	98.9	99.2
IV 100	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	99.7
IV 0	.4	77.2	83.0	89.4	94.8	95.3	97.0	97.3	97.3	98.2	98.4	98.6	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

706

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	.7	54.4	56.2	56.9	57.2	57.2	57.6	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 20000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 18000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 16000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 14000	.8	59.0	60.8	61.5	61.8	61.8	62.3	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 12000	.8	59.3	61.1	61.8	62.1	62.1	62.5	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 10000	.8	63.1	65.2	66.3	67.5	67.5	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.6
≥ 9000	.8	63.1	65.2	66.3	67.5	67.5	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.6
≥ 8000	1.0	67.7	69.9	71.5	72.8	73.0	73.4	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2
≥ 7000	1.0	70.0	72.5	74.2	75.5	75.6	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.9
≥ 6000	1.0	70.7	73.2	74.9	76.2	76.3	76.8	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.6
≥ 5000	1.0	71.1	73.8	75.5	76.8	76.9	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.2
≥ 4500	1.0	72.1	74.8	76.5	77.7	77.9	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.2
≥ 4000	1.0	74.2	77.2	78.9	80.3	80.3	80.8	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.7
≥ 3500	1.0	75.4	78.5	80.5	81.5	81.7	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 3000	1.0	76.9	80.4	82.3	83.5	83.7	84.2	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1
≥ 2500	1.0	77.0	80.7	82.5	83.8	83.9	84.5	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.4
≥ 2000	1.0	77.6	81.5	83.4	84.6	84.8	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.2
≥ 1800	1.0	77.6	81.5	83.5	84.8	84.9	85.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.3
≥ 1500	1.0	77.6	82.0	84.1	85.5	85.8	86.3	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.2
≥ 1200	1.0	78.0	82.5	84.9	86.5	86.8	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.2
≥ 1000	1.0	78.3	83.0	86.1	87.7	88.2	89.0	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.9
≥ 900	1.0	78.3	83.5	86.6	88.6	89.2	90.0	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.0
≥ 800	1.0	78.5	83.7	86.9	89.0	89.6	90.4	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.4
≥ 700	1.0	78.5	84.1	87.3	89.9	90.4	91.3	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.3
≥ 600	1.0	78.5	84.1	87.3	90.1	91.0	91.8	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	93.0
≥ 500	1.0	78.6	84.5	87.7	90.8	92.0	93.1	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.5
≥ 400	1.0	78.6	84.5	88.0	91.5	93.2	94.5	95.5	95.5	95.8	95.9	95.9	95.9	95.9	95.9	96.1
≥ 300	1.0	78.6	84.5	88.0	91.8	93.7	95.5	96.5	96.5	96.8	96.9	96.9	96.9	96.9	96.9	97.2
≥ 200	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.5	97.5	98.2	98.6	98.6	98.6	98.6	98.7	99.3
≥ 100	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.6	97.6	98.3	99.0	99.0	99.0	99.2	99.3	99.7
≥ 0	1.0	78.6	84.5	88.0	92.3	94.1	96.1	97.6	97.6	98.3	99.0	99.0	99.0	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 710

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	2.4	50.5	52.8	53.9	54.6	54.6	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.5
≥ 20000	2.6	56.0	58.6	59.9	60.6	60.7	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.7
≥ 18000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
≥ 16000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
≥ 14000	2.6	56.1	58.7	60.0	60.7	60.8	61.2	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.8
≥ 12000	2.7	56.6	59.3	60.6	61.4	61.4	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.5
≥ 10000	2.7	60.2	63.1	64.7	66.0	66.0	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.9	67.1
≥ 9000	2.7	60.3	63.3	64.9	66.2	66.3	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.1	67.3
≥ 8000	2.7	65.1	68.4	70.5	71.9	72.0	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.9	73.2
≥ 7000	2.7	66.6	70.2	72.4	73.8	73.9	74.4	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.8	75.1
≥ 6000	2.7	67.1	70.8	72.9	74.4	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.5	75.7
≥ 5000	2.7	68.4	71.7	73.9	75.5	75.6	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.8
≥ 4500	2.7	69.1	73.0	75.5	77.2	77.3	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.5
≥ 4000	2.7	71.2	75.5	78.3	80.3	80.3	80.7	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.4
≥ 3500	2.8	72.3	76.7	79.6	81.4	81.6	82.1	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.6	82.8
≥ 3000	2.8	73.9	78.6	81.8	83.7	83.9	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	85.0	85.2
≥ 2500	2.8	74.5	79.3	82.6	84.7	84.9	85.4	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.9	86.2
≥ 2000	2.8	75.0	80.0	83.5	85.7	86.0	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.4
≥ 1800	2.8	75.1	80.1	83.7	86.0	86.3	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.7
≥ 1500	2.8	75.4	80.7	84.5	86.9	87.2	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.5	88.7
≥ 1200	2.8	75.7	81.3	85.3	87.7	88.1	88.8	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.4	89.6
≥ 1000	2.8	76.1	81.9	86.2	88.8	89.2	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.4	90.5	90.7
≥ 900	2.8	76.1	82.2	86.6	89.3	89.6	90.5	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.2	91.5
≥ 800	2.8	76.2	82.3	87.0	89.9	90.4	91.2	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.9	92.1
≥ 700	2.8	76.2	82.5	87.3	90.4	91.0	91.9	92.2	92.2	92.4	92.4	92.4	92.5	92.5	92.7	92.9
≥ 600	2.8	76.3	82.6	87.6	90.9	91.7	92.7	93.2	93.2	93.4	93.5	93.5	93.6	93.6	93.8	94.0
≥ 500	2.8	76.3	82.9	88.0	91.7	92.7	93.9	94.5	94.6	94.9	95.1	95.1	95.1	95.1	95.3	95.6
≥ 400	2.8	76.4	83.1	88.4	92.3	93.5	95.0	95.9	96.0	96.6	96.7	96.8	96.9	96.9	97.1	97.3
≥ 300	2.8	76.4	83.1	88.4	92.5	93.8	95.4	96.4	96.5	97.2	97.4	97.4	97.6	97.6	97.9	98.2
≥ 200	2.8	76.4	83.1	88.4	92.6	93.8	95.6	96.8	96.9	97.6	98.1	98.2	98.5	98.5	98.9	99.5
≥ 100	2.8	76.4	83.1	88.4	92.6	93.9	95.6	96.8	96.9	97.7	98.2	98.2	98.7	98.7	99.1	99.8
≥ 0	2.8	76.4	83.1	88.4	92.6	93.9	95.6	96.8	96.9	97.7	98.2	98.2	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 5654

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	.4	52.7	52.9	53.5	53.8	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4
IV 20000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.5
IV 18000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.5
IV 16000	.4	56.9	57.6	58.3	58.5	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.5
IV 14000	.4	57.0	57.7	58.4	58.7	58.7	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.6
IV 12000	.4	57.6	58.3	58.9	59.2	59.2	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.2
IV 10000	.4	61.8	63.0	63.8	64.1	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1
IV 9000	.4	61.8	63.0	63.8	64.1	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1
IV 8000	.4	66.0	67.3	68.1	68.8	68.8	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 7000	.4	67.0	68.2	69.0	69.7	69.7	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.7
IV 6000	.4	67.5	68.8	69.6	70.3	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.2
IV 5000	.4	69.0	70.3	71.1	71.8	71.8	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.7
IV 4500	.4	71.6	72.9	73.8	74.5	74.5	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4
IV 4000	.4	74.4	75.9	76.8	77.5	77.5	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
IV 3500	.4	75.4	77.4	78.3	79.1	79.1	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.2
IV 3000	.4	76.8	79.4	80.8	81.6	81.6	82.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.8
IV 2500	.4	78.9	81.4	83.1	83.9	83.9	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1
IV 2000	.4	79.8	82.4	84.2	85.1	85.1	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5
IV 1800	.4	80.1	82.7	84.4	85.4	85.4	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
IV 1500	.4	80.9	83.5	85.8	86.9	86.9	87.6	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.4
IV 1200	.4	81.3	84.0	86.4	87.6	87.6	88.3	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.1
IV 1000	.4	82.1	85.1	87.9	89.5	89.5	90.5	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.3
IV 900	.4	82.5	85.5	88.4	90.2	90.2	91.1	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	92.0
IV 800	.4	82.5	85.7	88.7	90.5	90.6	91.5	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.4
IV 700	.4	82.7	85.8	88.9	91.0	91.1	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.9
IV 600	.4	82.8	86.4	89.5	92.0	92.2	93.3	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.1
IV 500	.4	83.1	86.6	90.0	93.0	93.5	94.5	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.4
IV 400	.4	83.2	87.0	90.5	93.7	94.4	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.5
IV 300	.4	83.4	87.2	90.6	94.0	94.7	96.0	96.5	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.3
IV 200	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.8
IV 100	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.9	98.9	98.9	98.9	99.7
IV 0	.4	83.4	87.2	90.6	94.1	95.0	96.7	97.3	97.5	98.1	98.5	98.9	98.9	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	.4	53.4	54.6	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.8	55.8	56.0	56.4
≥ 20000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 18000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 16000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 14000	.4	57.1	58.3	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.7	59.7	59.8	60.2
IV 12000	.4	57.4	58.6	59.4	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	60.0	60.0	60.1	60.5
IV 10000	.4	61.6	63.4	64.2	64.2	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.8	64.8	64.9	65.3
IV 9000	.4	61.6	63.4	64.2	64.2	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.8	64.8	64.9	65.3
IV 8000	.4	66.4	68.2	69.1	69.1	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.6	69.6	69.7	70.2
IV 7000	.4	67.1	68.9	69.7	69.7	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.3	70.3	70.4	70.8
IV 6000	.4	67.5	69.3	70.2	70.2	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.7	70.7	70.8	71.3
IV 5000	.6	68.9	70.8	71.8	71.8	71.8	71.8	71.9	71.9	72.1	72.1	72.1	72.4	72.4	72.5	72.9
IV 4500	.6	71.9	74.1	75.1	75.1	75.1	75.1	75.2	75.2	75.4	75.4	75.4	75.7	75.7	75.8	76.2
IV 4000	.6	74.6	76.9	78.0	78.0	78.0	78.0	78.1	78.1	78.3	78.3	78.3	78.5	78.5	78.7	79.1
IV 3500	.6	74.8	77.3	78.5	78.5	78.5	78.5	78.7	78.7	78.8	78.8	78.8	79.1	79.1	79.2	79.6
IV 3000	.6	76.3	79.2	80.7	81.2	81.2	81.2	81.3	81.7	81.8	81.8	81.8	82.1	82.1	82.3	82.7
IV 2500	.6	76.9	80.1	81.6	82.0	82.0	82.0	82.1	82.5	82.7	82.7	82.7	82.9	82.9	83.1	83.5
IV 2000	.6	78.3	81.4	83.4	83.8	83.8	83.8	83.9	84.3	84.5	84.5	84.5	84.7	84.7	84.9	85.3
IV 1800	.6	78.3	81.4	83.4	83.8	83.8	83.8	83.9	84.3	84.5	84.5	84.5	84.7	84.7	84.9	85.3
IV 1500	.6	79.0	82.3	84.7	85.7	85.8	85.8	86.0	86.4	86.5	86.5	86.5	86.9	86.9	87.1	87.5
IV 1200	.6	79.9	83.2	85.7	86.9	87.1	87.1	87.2	87.6	87.8	87.8	87.8	88.2	88.2	88.3	88.7
IV 1000	.6	80.7	84.0	86.7	87.9	88.0	88.0	88.3	88.7	89.0	89.0	89.0	89.4	89.4	89.5	90.0
IV 900	.6	81.4	84.9	87.5	88.7	88.9	89.0	89.3	89.7	90.0	90.0	90.0	90.4	90.4	90.5	90.9
IV 800	.6	81.7	85.1	87.9	89.3	89.4	89.5	89.8	90.2	90.5	90.5	90.5	90.9	90.9	91.2	91.6
IV 700	.6	81.7	85.3	88.2	89.6	90.1	90.4	90.6	91.1	91.3	91.3	91.3	91.7	91.7	92.0	92.4
IV 600	.6	82.1	85.8	88.7	90.6	91.1	91.5	91.9	92.3	92.7	92.7	92.7	93.1	93.1	93.4	93.8
IV 500	.6	82.7	86.5	89.4	91.6	92.3	92.7	93.1	93.5	93.9	93.9	93.9	94.4	94.4	94.8	95.2
IV 400	.6	82.7	86.7	89.5	92.2	92.8	93.5	94.1	94.5	94.9	94.9	94.9	95.3	95.3	95.7	96.1
IV 300	.6	82.7	86.7	89.8	93.3	93.9	94.6	95.2	95.6	96.0	96.0	96.0	96.6	96.6	97.0	97.4
IV 200	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.1	96.6	97.1	97.2	97.2	97.7	97.9	98.3	98.8
IV 100	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.3	96.7	97.2	97.7	97.8	98.5	98.5	98.9	99.4
IV 0	.6	82.7	86.7	89.8	93.4	94.2	95.3	96.3	96.7	97.2	97.7	97.8	98.5	98.5	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PAUXENI RIVER NAS MD  
STATION NAME

75-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	1.4	49.7	50.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 20000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 18000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 16000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 14000	1.4	53.9	55.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 12000	1.5	55.0	56.5	57.8	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 10000	1.5	59.8	61.6	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
≥ 9000	1.5	60.1	61.9	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0
≥ 8000	1.5	65.3	67.4	68.9	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 7000	1.5	65.4	68.0	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
≥ 6000	1.5	66.7	68.8	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0
≥ 5000	1.5	68.2	70.4	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8
≥ 4500	1.5	70.3	73.0	75.2	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1
≥ 4000	1.5	72.9	75.9	78.1	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
≥ 3500	1.5	73.5	76.9	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
≥ 3000	1.5	74.4	78.0	80.5	81.2	81.3	81.4	81.4	81.6	81.7	81.7	81.8	81.8	81.8	81.8	82.0
≥ 2500	1.5	75.4	79.1	81.6	82.4	82.5	82.7	82.7	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.4
≥ 2000	1.5	75.7	79.5	82.9	84.0	84.2	84.3	84.3	84.5	84.7	84.9	85.0	85.1	85.1	85.1	85.3
≥ 1800	1.5	75.8	79.8	83.2	84.3	84.5	84.6	84.6	84.7	85.0	85.1	85.3	85.4	85.4	85.4	85.6
≥ 1500	1.5	76.5	80.7	84.3	85.8	86.0	86.1	86.1	86.2	86.5	86.7	86.8	86.9	86.9	86.9	87.1
≥ 1200	1.5	77.2	81.7	85.6	87.2	87.5	87.8	87.8	87.9	88.2	88.3	88.4	88.6	88.6	88.6	88.7
≥ 1000	1.5	77.6	82.1	86.0	87.9	88.2	88.6	88.6	88.7	89.0	89.1	89.3	89.4	89.4	89.4	89.5
≥ 900	1.5	77.7	82.5	86.5	88.7	89.1	89.5	89.7	89.8	90.1	90.2	90.4	90.5	90.5	90.5	90.6
≥ 800	1.5	78.0	83.1	87.1	89.4	89.8	90.4	90.6	90.8	91.1	91.2	91.3	91.5	91.5	91.5	91.6
≥ 700	1.5	78.5	84.0	88.3	90.6	91.1	91.7	92.0	92.2	92.4	92.6	92.7	92.8	92.8	92.8	93.0
≥ 600	1.5	78.8	84.5	88.7	91.1	91.6	92.3	92.6	92.7	93.1	93.3	93.4	93.5	93.5	93.5	93.7
≥ 500	1.5	79.2	84.9	89.3	91.6	92.4	93.7	94.1	94.2	94.6	94.8	94.9	95.0	95.0	95.0	95.2
≥ 400	1.5	79.2	85.0	89.5	92.3	93.3	94.6	95.2	95.3	95.7	96.0	96.1	96.3	96.3	96.3	96.4
≥ 300	1.5	79.4	85.1	89.8	92.8	93.8	95.5	96.0	96.1	96.8	97.1	97.4	97.5	97.5	97.5	97.8
≥ 200	1.5	79.4	85.1	89.8	92.8	93.8	95.6	96.1	96.3	97.4	97.8	98.1	98.6	98.6	98.9	99.4
≥ 100	1.5	79.4	85.1	90.0	93.0	93.9	95.7	96.3	96.4	97.5	97.9	98.2	98.8	98.8	99.0	99.9
U	1.5	79.4	85.1	90.0	93.0	93.9	95.7	96.3	96.4	97.5	97.9	98.2	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	1.9	43.0	43.0	44.5	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
IV 18000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
IV 16000	2.3	51.9	53.0	53.8	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
IV 14000	2.3	52.3	53.4	54.2	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1
IV 12000	2.5	53.6	54.6	55.5	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.3	56.3
IV 10000	2.7	58.1	59.3	60.2	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.1
IV 9000	2.7	58.6	59.8	60.8	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6
IV 8000	2.7	64.1	66.3	67.5	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IV 7000	2.7	65.0	67.2	68.6	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4
IV 6000	2.7	66.3	69.0	70.5	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
IV 5000	2.7	68.3	71.3	73.1	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2
IV 4500	2.7	70.6	73.8	76.0	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.2
IV 4000	2.7	72.1	75.5	77.7	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
IV 3500	2.7	72.7	76.1	78.3	79.4	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
IV 3000	2.7	73.8	77.5	79.9	81.1	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
IV 2500	2.7	74.2	78.3	81.0	82.4	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9
IV 2000	2.7	75.1	79.8	83.2	84.6	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
IV 1800	2.7	75.1	79.9	83.5	84.8	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
IV 1500	2.7	76.0	80.9	84.8	86.2	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9
IV 1200	2.7	76.1	81.3	85.4	86.9	87.0	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.7	87.7
IV 1000	2.7	76.8	82.2	86.6	88.3	88.4	89.2	89.3	89.3	89.5	89.5	89.5	89.5	89.6	89.6	89.6
IV 900	2.7	77.0	82.8	87.3	89.1	89.2	90.3	90.6	90.6	90.8	91.3	91.3	91.4	91.4	91.4	91.4
IV 800	2.7	77.3	83.2	88.1	90.3	90.4	91.5	91.9	91.9	92.2	92.6	92.6	92.8	92.8	92.8	92.8
IV 700	2.7	77.6	83.5	88.7	90.8	91.3	92.5	92.9	92.9	93.2	93.6	93.6	93.7	93.7	93.7	93.7
IV 600	2.7	77.7	83.6	88.9	91.3	91.7	92.9	93.3	93.3	93.6	94.1	94.1	94.3	94.3	94.3	94.3
IV 500	2.7	77.7	83.6	88.9	91.3	91.8	93.3	93.7	93.7	94.0	94.8	94.8	94.9	94.9	94.9	94.9
IV 400	2.7	77.7	83.6	89.3	91.7	92.8	94.4	95.4	95.4	95.8	96.7	96.7	96.9	96.9	97.0	97.0
IV 300	2.7	77.7	83.6	89.3	92.1	93.2	94.9	95.9	95.9	96.3	97.3	97.3	97.4	97.5	97.8	98.2
IV 200	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	99.6
IV 100	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	100.0
IV 0	2.7	77.7	83.6	89.3	92.1	93.2	95.1	96.0	96.0	96.9	98.0	98.0	98.6	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

732

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 40  
STATION

PATUXENT RIVER NAS 40  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	2.4	46.4	46.7	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000	2.4	54.9	55.2	55.5	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	2.4	54.9	55.2	55.5	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 16000	2.4	55.1	55.3	55.6	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	2.4	55.5	55.7	56.0	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	2.4	57.0	57.2	57.5	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000	2.4	60.9	61.2	61.6	61.7	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	2.4	61.7	62.0	62.4	62.6	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	2.4	65.7	66.9	67.8	67.9	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	2.4	66.4	67.9	68.7	68.9	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	2.4	66.9	68.9	69.7	69.8	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	2.4	69.1	71.3	72.3	72.5	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	2.4	70.5	73.2	74.3	74.7	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	2.4	72.4	75.5	76.4	76.9	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	2.4	73.6	76.5	77.6	78.3	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	2.4	75.5	79.1	80.3	81.3	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	2.4	76.9	80.6	82.5	83.6	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	2.4	77.9	82.0	84.2	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	2.4	77.9	82.0	84.2	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	2.4	78.7	83.2	85.8	87.4	87.8	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	2.4	79.0	84.0	87.0	88.8	89.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000	2.4	79.6	85.2	88.5	91.0	91.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	2.4	79.6	85.4	88.7	91.1	91.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	2.4	79.6	85.4	88.8	91.4	92.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	2.4	79.6	85.7	88.9	91.8	92.6	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	2.4	79.6	85.7	89.2	92.1	92.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	2.4	79.9	85.9	89.6	92.6	93.6	95.2	95.8	95.8	95.8	95.9	95.9	96.0	96.2	96.6	96.6
≥ 400	2.4	79.9	85.9	89.6	92.9	94.0	95.8	96.4	96.4	96.6	97.0	97.0	97.1	97.3	97.7	97.7
≥ 300	2.4	79.9	86.1	89.8	93.0	94.4	96.3	97.0	97.0	97.3	97.8	97.8	98.1	98.4	99.0	99.0
≥ 200	2.4	79.9	86.1	89.8	93.0	94.4	96.3	97.1	97.1	97.5	98.1	98.1	98.5	98.8	99.5	99.6
≥ 100	2.4	79.9	86.1	89.8	93.0	94.4	96.4	97.3	97.3	97.8	98.4	98.4	98.8	99.0	99.7	100.0
≥ 0	2.4	79.9	86.1	89.8	93.0	94.4	96.4	97.3	97.3	97.8	98.4	98.4	98.8	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 732

DELMAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72-140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	1.5	43.8	44.3	45.1	45.3	45.3	45.3	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	2.5	53.5	54.3	55.4	55.5	55.5	55.5	55.7	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0
≥ 18000	2.5	54.0	54.9	56.0	56.1	56.1	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.5	56.5	56.5
≥ 16000	2.5	54.0	54.9	56.0	56.1	56.1	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.5	56.5	56.5
≥ 14000	2.5	54.4	55.3	56.4	56.5	56.5	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 12000	2.5	55.8	56.6	57.7	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.3	58.3	58.3
≥ 10000	2.7	60.2	61.0	62.1	62.2	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.7
≥ 9000	2.7	60.6	61.4	62.5	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	63.1	63.1	63.1
≥ 8000	2.7	66.6	67.9	69.1	69.2	69.2	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 7000	2.7	67.9	69.2	70.5	70.6	70.6	70.6	70.7	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0
≥ 6000	2.7	68.4	70.0	71.3	71.5	71.5	71.5	71.7	71.7	71.8	71.8	71.8	71.8	72.0	72.0	72.0
≥ 5000	2.7	70.2	71.8	73.2	73.5	73.6	73.6	73.7	73.7	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 4500	2.7	71.5	73.7	75.5	75.9	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.5	76.5	76.5
≥ 4000	2.7	71.5	73.7	75.5	75.9	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.5	76.5	76.5
≥ 3500	2.7	74.6	77.2	79.2	79.8	79.9	79.9	80.0	80.0	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥ 3000	2.7	76.7	79.8	82.1	82.9	83.0	83.0	83.2	83.2	83.4	83.4	83.4	83.4	83.6	83.6	83.6
≥ 2500	2.7	78.0	81.3	83.6	84.7	84.8	84.8	85.1	85.1	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 2000	2.7	78.8	82.2	84.8	86.0	86.3	86.3	86.6	86.6	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 1800	2.7	79.3	82.8	85.5	86.7	87.0	87.0	87.3	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7
≥ 1500	2.7	79.8	83.4	86.2	87.4	87.8	87.8	88.1	88.1	88.4	88.4	88.4	88.4	88.5	88.5	88.5
≥ 1200	2.7	80.2	84.7	87.6	88.8	89.6	89.6	90.0	90.0	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 1000	2.7	80.3	85.2	88.2	89.7	90.7	90.7	91.1	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.5
≥ 900	2.7	80.3	85.2	88.5	90.3	91.2	91.2	91.6	91.6	91.9	91.9	91.9	91.9	92.0	92.0	92.0
≥ 800	2.7	80.3	85.4	88.6	91.0	91.9	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 700	2.7	80.4	85.5	88.9	91.2	92.5	92.5	92.9	92.9	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 600	2.7	80.6	85.6	89.5	91.8	93.0	93.0	93.4	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8
≥ 500	2.7	80.6	85.6	89.5	91.8	93.6	93.6	94.0	94.0	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 400	2.7	80.6	85.6	89.5	91.8	93.6	93.6	94.0	94.0	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 300	2.7	80.6	85.8	89.6	91.9	93.7	93.7	94.1	94.1	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 200	2.7	80.6	85.8	89.6	91.9	93.8	93.8	94.2	94.2	94.5	94.5	94.5	94.5	94.6	94.6	94.6
≥ 100	2.7	80.6	85.8	89.6	91.9	94.0	94.0	94.4	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥ 0	2.7	80.6	85.8	89.6	91.9	94.0	94.0	94.4	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124040  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

75-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (UT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	.7	51.8	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	.7	57.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IVM 18000	.7	57.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IVM 16000	.7	57.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IVM 14000	.7	57.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IVM 12000	.7	58.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IVM 10000	.7	63.3	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IVM 9000	.7	63.4	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IVM 8000	.7	67.9	69.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IVM 7000	.7	68.9	71.0	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IVM 6000	.7	68.9	71.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IVM 5000	.7	70.5	72.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IVM 4500	.7	71.4	74.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IVM 4000	.7	73.7	77.5	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IVM 3500	.7	74.1	78.2	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IVM 3000	.7	76.4	80.7	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IVM 2500	.7	77.7	82.5	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVM 2000	.7	78.6	83.6	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IVM 1800	.7	78.6	83.6	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IVM 1500	.7	79.6	85.3	87.4	87.9	88.1	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IVM 1200	.7	80.0	85.8	87.8	88.9	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVM 1000	.7	80.3	86.2	88.2	89.9	90.1	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IVM 900	.7	80.3	86.2	88.4	90.3	90.5	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IVM 800	.7	80.5	86.8	89.2	91.4	91.7	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IVM 700	.7	80.7	87.1	89.6	92.1	92.6	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IVM 600	.7	80.7	87.3	89.9	92.5	93.4	94.2	94.5	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
IVM 500	.7	80.8	87.4	90.1	93.2	94.4	95.5	95.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2
IVM 400	.7	80.8	87.4	90.3	93.8	95.1	96.8	97.3	97.4	97.8	97.9	97.9	98.1	98.1	98.1	98.1
IVM 300	.7	80.8	87.4	90.3	93.8	95.1	97.3	97.7	97.8	98.4	98.8	98.8	98.9	98.9	98.9	98.9
IVM 200	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	98.8	99.2	99.2	99.3	99.3	99.3	99.3
IVM 100	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	99.0	99.5	99.5	99.7	99.7	100.0	100.0
IVM 0	.7	80.8	87.4	90.3	93.8	95.1	97.4	97.9	98.1	99.0	99.5	99.5	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12490 PATUXENT RIVER NAS MD

73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	.4	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 16000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	.4	56.6	56.9	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	.4	57.3	57.6	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 10000	.4	61.4	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 9000	.4	61.4	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	.4	66.3	67.5	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	.4	67.5	68.9	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	.4	67.8	69.2	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	.4	69.4	71.4	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	.4	71.1	73.1	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 4000	.4	73.9	76.4	77.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 3500	.4	74.8	77.5	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	.4	77.5	80.4	81.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500	.4	78.2	81.6	82.8	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	.4	79.5	83.8	85.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1800	.4	80.1	84.3	85.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	.4	81.3	85.8	87.4	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200	.4	81.3	85.8	87.4	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000	.4	81.7	86.6	88.7	89.9	90.0	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 900	.4	81.9	87.2	89.2	90.5	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	.4	82.0	87.7	90.0	91.5	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	.4	82.0	88.3	90.7	92.5	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 600	.4	82.5	88.8	91.7	93.9	94.1	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	.4	82.7	88.9	91.8	94.5	95.0	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400	.4	82.7	89.4	92.2	95.4	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 300	.4	82.7	89.4	92.2	95.4	95.9	97.0	97.1	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.5
IV 200	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.6	98.6	98.6
IV 100	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.4	98.4	98.4	98.4	98.9	98.9	98.9
IV 0	.4	82.7	89.4	92.2	95.4	95.9	97.4	97.8	98.0	98.4	98.4	98.4	98.4	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

133

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	1.4	49.4	49.8	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.9
≥ 20000	1.4	55.3	56.1	56.9	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5
IV 18000	1.4	55.3	56.2	56.9	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.6
IV 16000	1.4	55.4	56.2	57.0	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.6
IV 14000	1.4	55.6	56.4	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.8
IV 12000	1.4	56.6	57.4	58.2	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.8
IV 10000	1.5	60.4	62.1	62.9	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.6
IV 9000	1.5	61.2	62.9	63.1	63.4	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8
IV 8000	1.5	66.1	67.6	68.6	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.3	69.3
IV 7000	1.5	67.0	68.7	69.6	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.4
IV 6000	1.5	67.5	69.4	70.4	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.2
IV 5000	1.5	69.2	71.3	72.5	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3
IV 4500	1.5	71.1	73.5	75.0	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.9
IV 4000	1.5	73.5	76.2	77.7	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.7
IV 3500	1.5	74.2	77.1	78.7	79.2	79.3	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.8
IV 3000	1.5	75.9	79.2	81.0	81.8	81.9	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.5
IV 2500	1.5	77.0	80.6	82.5	83.4	83.5	83.6	83.7	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.1
IV 2000	1.5	78.0	81.8	84.2	85.2	85.3	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.9	85.9	86.0
IV 1800	1.5	78.2	82.1	84.4	85.4	85.6	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.3
IV 1500	1.5	79.0	83.1	85.8	87.0	87.2	87.6	87.7	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.2
IV 1200	1.5	79.4	83.8	86.6	88.0	88.2	88.6	88.8	88.9	89.0	89.1	89.1	89.2	89.2	89.2	89.3
IV 1000	1.5	79.9	84.6	87.6	89.3	89.6	90.2	90.4	90.5	90.7	90.7	90.7	90.8	90.8	90.9	90.9
IV 900	1.5	80.1	85.0	88.1	89.9	90.2	90.9	91.2	91.3	91.5	91.5	91.6	91.7	91.7	91.7	91.8
IV 800	1.5	80.3	85.3	88.6	90.6	91.0	91.8	92.0	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.7
IV 700	1.5	80.4	85.6	89.0	91.2	91.7	92.6	92.8	92.9	93.2	93.2	93.2	93.4	93.4	93.4	93.6
IV 600	1.5	80.6	86.0	89.5	91.9	92.5	93.4	93.7	93.8	94.1	94.2	94.2	94.3	94.3	94.4	94.5
IV 500	1.5	80.8	86.2	89.8	92.5	93.3	94.4	94.8	94.9	95.2	95.3	95.3	95.5	95.5	95.6	95.7
IV 400	1.5	80.9	86.3	90.1	93.0	94.0	95.3	95.8	95.9	96.3	96.6	96.6	96.7	96.8	96.9	97.0
IV 300	1.5	80.9	86.4	90.2	93.3	94.4	95.9	96.4	96.6	97.1	97.4	97.4	97.6	97.7	97.9	98.0
IV 200	1.5	80.9	86.4	90.2	93.3	94.4	96.2	96.9	97.0	97.7	98.2	98.2	98.6	98.7	98.9	99.2
IV 100	1.5	80.9	86.4	90.2	93.3	94.5	96.3	97.0	97.1	97.9	98.3	98.5	98.9	99.0	99.3	99.8
IV 0	1.5	80.9	86.4	90.2	93.3	94.5	96.3	97.0	97.1	97.9	98.3	98.5	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 5845

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724140  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-81  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	.9	43.7	47.3	49.8	51.3	51.5	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
≥ 20000	.9	49.8	54.1	57.2	59.1	59.4	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3
≥ 18000	.9	49.8	54.2	57.3	59.2	59.5	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3
≥ 16000	.9	49.9	54.2	57.3	59.2	59.5	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥ 14000	.9	50.1	54.5	57.6	59.5	59.8	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.7
≥ 12000	.9	51.0	55.5	58.7	60.6	60.9	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8
≥ 10000	.9	54.8	59.8	63.2	65.5	65.9	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 9000	.9	55.1	60.1	63.6	65.9	66.2	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 8000	.9	59.3	65.0	69.0	71.5	72.0	72.6	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0
≥ 7000	1.0	60.3	66.1	70.3	72.9	73.3	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.4
≥ 6000	1.0	60.7	66.6	70.8	73.4	73.9	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 5000	1.0	61.8	67.8	72.1	74.9	75.3	76.1	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5
≥ 4500	1.0	63.0	69.2	73.6	76.4	76.9	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 4000	1.0	64.8	71.3	76.0	78.9	79.5	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.7
≥ 3500	1.0	65.6	72.2	77.0	80.0	80.5	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
≥ 3000	1.0	67.8	74.9	80.0	83.3	83.9	84.8	85.0	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.3
≥ 2500	1.0	68.6	75.9	81.2	84.6	85.2	86.1	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.7
≥ 2000	1.0	69.3	76.9	82.4	86.1	86.7	87.7	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.3
≥ 1800	1.0	69.5	77.0	82.7	86.3	87.0	88.0	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.5	88.5
≥ 1500	1.0	70.2	78.0	83.9	87.7	88.4	89.5	89.7	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.1
≥ 1200	1.0	70.6	78.5	84.6	88.5	89.3	90.4	90.6	90.7	90.8	90.9	90.9	90.9	90.9	91.0	91.1
≥ 1000	1.0	71.0	79.2	85.6	89.8	90.6	91.9	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
≥ 900	1.0	71.2	79.4	85.9	90.3	91.1	92.4	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.2	93.3
≥ 800	1.0	71.3	79.7	86.4	90.9	91.9	93.2	93.6	93.6	93.9	93.9	94.0	94.0	94.0	94.1	94.1
≥ 700	1.0	71.4	80.0	86.8	91.5	92.5	94.0	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.9	95.0
≥ 600	1.0	71.5	80.2	87.1	92.0	93.1	94.6	95.1	95.1	95.4	95.5	95.5	95.6	95.6	95.7	95.8
≥ 500	1.0	71.7	80.4	87.5	92.5	93.7	95.5	96.0	96.0	96.4	96.6	96.6	96.7	96.7	96.8	96.9
≥ 400	1.0	71.7	80.5	87.7	92.9	94.2	96.1	96.7	96.7	97.2	97.5	97.5	97.6	97.6	97.7	97.8
≥ 300	1.0	71.7	80.5	87.7	93.1	94.4	96.4	97.1	97.2	97.8	98.0	98.1	98.3	98.3	98.4	98.6
≥ 200	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.4	98.4	98.8	98.8	99.1	99.3
≥ 100	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.5	98.5	99.0	99.0	99.4	99.8
≥ 0	1.0	71.7	80.5	87.8	93.1	94.5	96.5	97.3	97.4	98.1	98.5	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 66740

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE  
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY  
SIGNIFICANT.

2

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**JAN**

**MONTH**

!

FORM  
JUL 64

### 0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

**FEB**

MONTH \_\_\_\_\_

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	33.3			17.4						12.4	36.9	5.3	667
	03-05	30.3			15.7						18.2	35.8	5.7	670
	06-08	21.1			24.4						17.9	36.6	6.0	669
	09-11	21.2			19.4						19.4	40.0	6.3	665
	12-14	16.1			24.0						21.6	38.3	6.5	666
	15-17	17.1			24.9						18.9	39.1	6.4	672
	18-20	24.3			24.0						16.1	35.6	5.7	666
	21-23	32.2			21.2						12.3	34.2	5.2	664
TOTALS		24.5			21.4						17.1	37.1	5.9	5339

FORM  
JUL 64

### 0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

MAR

MONTH

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	28.9			15.9						10.9	44.4	5.9	737
	03-05	25.1			17.9						12.6	44.5	6.1	722
	06-08	16.0			18.5						19.0	46.5	6.9	720
	09-11	11.7			19.5						22.6	46.1	7.2	733
	12-14	10.6			16.3						24.4	48.6	7.5	734
	15-17	14.2			15.4						22.9	47.5	7.3	733
	18-20	18.7			17.0						18.8	45.5	6.8	729
	21-23	25.0			15.8						14.7	44.5	6.2	735
TOTALS		14.8			17.0						18.2	46.0	6.7	5643

## SKY COVER

APR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	31.0			17.0						16.8	35.2	5.5	710
	03-05	27.8			23.6						17.2	31.4	5.4	704
	06-08	18.3			25.0						22.9	33.8	6.2	699
	09-11	16.9			24.2						22.6	36.3	6.4	708
	12-14	14.0			22.0						26.4	37.7	6.8	709
	15-17	13.8			20.7						28.3	37.1	6.9	709
	18-20	14.4			26.4						24.0	35.2	6.5	701
	21-23	25.2			24.9						17.0	33.0	5.6	707
TOTALS	20-2				23.0						21.9	35.0	6.2	5647

**FORM**  
**HM-64**

FORM 0.9-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

**73-80**

**MAY**

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	21.5			20.4						20.2	38.0	6.2	727
	03-05	17.2			23.1						19.0	40.7	6.5	722
	06-08	15.1			22.3						21.6	41.0	6.7	717
	09-11	8.2			23.9						26.5	41.3	7.2	728
	12-14	5.0			19.6						35.0	40.3	7.8	734
	15-17	7.4			21.7						31.6	39.2	7.4	727
	18-20	7.7			21.8						31.3	39.2	7.4	725
	21-23	17.4			21.4						25.1	36.1	6.5	729
TOTALS		12.4			21.8						26.3	39.5	7.0	5809

FORM 0.9.5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

25

724-140	PATUXENT RIVER NAS MD	73-80	JUN
STATION	STATION NAME	PERIOD	MONTH

## ( )

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

8

## SKY COVER

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	21.1			24.2						23.8	30.9	6.0	702
	03-05	13.5			31.7						24.8	30.0	6.2	703
	06-08	6.8			30.2						31.2	31.8	6.9	702
	09-11	8.1			29.3						31.2	31.4	6.8	706
	12-14	3.4			32.4						39.2	25.0	7.0	716
	15-17	4.6			28.8						38.7	27.8	7.1	711
	18-20	8.1			26.7						30.1	35.1	7.0	707
	21-23	14.7			24.5						29.1	31.6	6.5	693
TOTALS		10.0			28.5						31.0	30.5	6.7	5640

FORM  
JUL 64

### 0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

15-80

A U u

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER								MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.			
		0	1	2	3	4	5	6	7			8	9	10
AUG	00-02	16.1			26.8						27.3	29.8	6.2	704
	03-05	11.1			34.1						28.4	26.4	6.2	704
	06-08	7.5			30.2						31.2	31.1	6.8	692
	09-11	7.4			29.3						36.3	27.0	6.8	703
	12-14	4.0			31.1						41.5	23.4	7.0	721
	15-17	5.3			32.3						35.4	27.0	6.9	718
	18-20	7.4			28.7						29.6	34.3	7.0	705
	21-23	14.1			28.9						23.9	33.1	6.3	703
TOTALS		9.1			30.2						31.7	29.0	6.7	5650

FORM 0 9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

SEP

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER								MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.			
		0	1	2	3	4	5	6	7			8	9	10
SEP	00-02	25.9			24.7						19.2	32.2	5.7	687
	03-05	24.6			24.7						20.2	30.4	5.6	687
	06-08	13.6			30.2						25.8	30.4	6.3	71
	09-11	12.1			29.4						28.2	30.4	6.5	695
	12-14	6.5			33.9						27.7	31.9	6.7	705
	15-17	10.2			30.3						29.7	29.7	6.6	693
	18-20	12.8			27.1						29.2	30.9	6.5	695
	21-23	22.0			25.1						21.8	31.0	5.8	696
TOTALS		15.7			28.2						25.2	30.9	6.2	5559

## SKY COVER

OCT

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	36.5			20.4						12.7	30.4	4.8	726
	03-05	38.9			16.2						13.7	31.3	4.8	723
	06-08	20.3			30.1						17.5	32.1	5.7	720
	09-11	19.5			30.1						19.7	30.7	5.7	727
	12-14	15.0			28.6						27.6	28.8	6.2	725
	15-17	17.8			25.5						30.5	26.2	6.1	730
	18-20	23.6			24.7						24.4	27.4	5.7	726
	21-23	34.4			21.0						15.5	29.1	4.9	729
TOTALS		25.8			24.6						20.2	29.5	5.5	5806

FORM 0.9.5 (OLI)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

NOV

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	35.8			18.9						12.9	32.3	5.0	703
	03-05	35.2			20.6						12.9	31.2	4.9	698
	06-08	16.7			35.0						18.0	32.3	5.8	696
	09-11	14.0			31.1						21.9	33.1	6.2	708
	12-14	8.8			30.1						24.4	36.7	6.8	708
	15-17	9.7			28.6						25.7	36.1	6.8	704
	18-20	22.5			21.3						20.9	35.3	6.0	703
	21-23	31.5			16.9						17.2	34.3	5.5	708
TOTALS		21.8			25.1						19.2	33.9	5.9	5628

## SKY COVER

DEC

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DLC	00-02	29.5			18.9						13.4	38.2	5.6	731
	03-05	28.8			22.5						12.6	36.0	5.4	728
	06-08	18.3			28.8						17.7	35.2	6.0	736
	09-11	14.3			25.2						22.2	38.4	6.6	735
	12-14	13.1			27.6						20.9	38.5	6.6	733
	15-17	13.9			25.2						23.0	38.0	6.6	735
	18-20	23.6			21.5						17.9	37.0	6.0	736
	21-23	28.6			18.3						14.5	38.6	5.7	733
TOTALS	21.3			23.5							17.8	37.5	6.1	5867



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

124040 PATUXENT RIVER NAS MD

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	21.0			19.4						16.3	43.3	6.4	5844
FEB		24.5			21.4						17.1	37.1	5.9	5339
MAR		18.8			17.0						18.2	46.0	6.7	5843
APR		20.2			23.0						21.9	35.0	6.2	5647
MAY		12.4			21.8						26.3	39.5	7.0	5809
JUN		11.8			25.8						28.2	34.1	6.7	5570
JUL		10.0			28.5						31.0	30.5	6.7	5640
AUG		9.1			30.2						31.7	29.0	6.7	5650
SEP		15.7			28.2						25.2	30.9	6.2	5559
OCT		25.8			24.6						20.2	29.5	5.5	5806
NOV		21.8			25.1						19.2	33.9	5.9	5628
DEC		21.3			23.5						17.8	37.5	6.1	5867
TOTALS		17.7			24.0						22.8	35.5	6.3	68202

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

## GLOBAL CLIMATOLOGY BRANCH

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726040

PATUXENT RIVER NAS MD

45-81

## DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10						.1	.4						.0
15					.1	1.9	4.5	3.2	.5				.9
20				.5	1.8	12.2	21.3	17.6	4.0	.4			4.9
25			.2	2.4	8.1	31.6	53.7	47.7	19.7	1.7	.1		13.9
30		.1	1.8	8.5	22.1	57.7	85.3	77.1	43.9	7.1	.8		25.6
35		.4	1.0	4.3	15.8	41.6	83.5	97.9	96.4	69.4	19.2	3.3	36.4
40	1.9	2.2	8.8	27.2	63.2	94.4	99.8	99.6	87.6	41.6	10.5	2.2	45.2
45	4.8	4.9	16.8	42.3	82.5	98.8	100.0	100.0	95.9	64.2	22.2	6.0	53.5
50	10.1	11.5	28.1	64.2	94.4	99.8			99.4	84.7	39.9	13.5	62.5
55	18.3	20.0	42.5	84.1	99.4	100.0			100.0	95.5	59.2	24.1	70.6
60	28.2	32.8	61.7	95.5	100.0					98.7	77.8	37.8	78.0
65	41.9	49.0	78.8	99.2						99.9	90.5	57.5	84.9
70	63.7	69.0	91.9	99.9						100.0	98.1	76.7	91.7
75	79.1	85.2	97.0	100.0							99.4	88.4	95.8
80	91.9	94.5	99.6								100.0	96.6	98.6
85	97.3	98.3	99.9									99.8	99.6
90	99.4	99.7										100.0	99.9
95	99.8	100.0	100.0										100.0
100	100.0												100.0
MEAN	43.8	45.4	53.6	64.0	72.6	80.9	85.1	84.1	78.0	67.7	57.1	47.1	65.0
S.D.	11.185	10.843	10.978	9.757	8.281	6.986	5.432	5.577	7.214	7.982	9.424	10.309	17.182
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1080	1115	1079	1115	13117

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/HAC

STATION 72040 PATUXENT RIVER NAS MD

45-81

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						.2	.3	.1					.6
75						2.7	14.9	11.6	2.8				2.7
70					1.5	25.8	59.5	57.3	22.2	1.3	.2		14.2
65			.2	.6	11.7	54.9	90.3	86.6	47.6	5.7	.3		25.1
60	.2		.5	4.7	35.2	82.1	98.8	98.1	73.7	20.1	2.5		34.9
55	.6	.3	2.0	14.0	61.7	96.9	100.0	99.9	92.8	41.4	8.4	.4	43.5
50	1.3	1.2	6.0	33.3	83.5	99.8		100.0	98.4	65.0	19.1	1.6	51.1
45	3.4	3.6	16.4	61.6	96.6	100.0			100.0	83.6	36.2	7.3	59.4
40	10.6	11.6	36.8	84.7	99.7					94.9	58.8	20.4	68.5
35	25.8	28.4	62.1	96.6	100.0					99.1	81.7	40.2	78.1
30	34.9	37.8	71.1	98.0						99.7	87.2	49.4	81.8
25	51.4	53.1	85.4	99.6						100.0	93.8	64.1	87.5
20	71.0	74.5	95.5	100.0							98.1	83.9	93.7
15	85.7	88.2	98.9								99.8	94.9	97.4
10	93.6	95.7	99.9								100.0	99.0	99.0
5	98.6	99.0	100.0									100.0	99.8
0	99.5	100.0											100.0
-5	99.7												100.0
-10	100.0												100.0
MEAN	29.0	29.7	37.1	46.7	56.4	65.0	70.2	69.6	63.8	52.5	41.9	32.6	49.5
S.D.	9.017	8.462	7.828	7.085	6.578	5.735	4.258	4.316	6.364	7.829	8.555	8.097	16.475
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1079	1115	1079	1115	13116

USAFETAC FORM 0-21-3 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC  
72-048 PATUXENT RIVER NAS MD  
STATION STATION NAME

## DAILY TEMPERATURES

45-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90						1.6	6.6	3.9	.6				.0
85						1.3	16.1	37.5	31.9	9.4			1.1
80						1.3	16.1	37.5	31.9	9.4	.5		8.2
75			.1	.8	7.9	43.6	76.3	71.3	32.2	2.4	.2		19.8
70	.1		.9	5.6	26.3	72.0	97.3	94.4	60.8	10.2	1.1		31.0
65	.4	.3	2.4	14.8	51.2	92.9	100.0	99.8	84.2	29.0	4.1	.2	40.2
60	1.3	1.6	7.2	29.0	77.1	99.2		100.0	96.1	56.1	13.6	2.1	48.9
55	4.0	3.6	16.4	52.5	92.5	100.0			99.6	78.5	30.1	5.7	57.3
50	9.8	10.1	30.2	76.9	99.4				100.0	92.6	48.4	14.7	65.5
45	20.3	22.4	52.2	93.4	100.0					98.5	72.3	29.7	74.4
40	36.0	41.8	76.3	99.2						99.9	89.2	51.3	83.0
35	59.3	65.2	91.0	99.9						100.0	97.2	73.5	90.7
30	77.4	81.9	97.0	100.0							99.3	88.0	95.4
25	89.9	92.7	99.5								100.0	97.0	98.3
20	96.2	97.9	99.9									99.8	99.5
15	99.4	99.7	100.0									100.0	99.9
10	99.6	100.0											100.0
5	100.0												100.0
0													
MEAN	36.7	37.8	45.6	55.6	64.8	73.2	77.9	77.1	71.1	60.3	49.7	40.1	57.5
S.D.	9.627	9.130	8.920	7.878	6.946	5.933	4.404	4.527	6.359	7.362	8.508	8.754	16.584
TOTAL OBS.	1115	989	1116	1080	1116	1080	1116	1116	1079	1115	1079	1115	13116

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

724 40 PATUXENT RIVER NAS MD  
STATION

45-81

YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			85	79	86	97	95	91	89	79	78	55	
46	66	74	75	80	86	91	94	90	89	83	76	73	94
47	72	57	69	84	89	89	92	98	90	82	65	61	98
48	56	78	85	80	85	95	94	97	87	77	78	66	97
49	72	75	82	85	88	94	95	95	86	86	76	68	95
50	73	62	73	80	87	95	92	91	88	82	82	71	95
51	71	69	70	86	84	94	94	91	89	89	75	74	94
52	74	60	75	87	85	99	100	92	93	86*	71	59	100
53	72	67	68	86	91	91	100	97	95	79	77*	68	100
54	70	76	75	86	85	98	100	95	95	92	68	66	100
55	65	63	79	85	92	90	97	97	85	83	78	68	97
56	65	68	72	85	93	93	94	95	93	79	74	74	95
57	68	68	65	84	89	95	96	92	91	74	73	66	96
58	55	61	55	77	83	91	93	92	91	83	73	62	93
59	69	70	75	87	90	99	93	96	89	90	78	61	99
60	63	68	75	91	85	92	93	94	86	78	70	60	94
61	55	72	82	84	87	89	90	88	89	80	71	59	90
62	57	61	74	81	90	90	88	93	90	83	60	55	93
63	62	57	78	82	94	94	96	97	91	83	71	61	97
64	68	62	80	90	94	101	94	97	93	75	76	72	101
65	65	66	70	85	97	95	95	91	88	76	74	72	97
66	67	64	80	80	89	94	99	97	94	84	78	75	99
67	73	70	79	90	86	95	95	92	82	84	72	65	95
68	59	56	78	79	86	92	99	97	87*	93	85	68	99
69	67	50	77	91	93	98	94	92	89	84	65	60	98
70	69	61	62	82	88	93	99	94	94	84	65	66	99
71	62	70	74	78	83	90	91	91	86	80	83	75	91
72	66	77	80	86	83	87	92	89	88	79	78	65	92
73	61	60	77	89	87	90	92	94	89	84	80	71	94
74	75	70	80	91	90	92	93	88	92	80	80	66	93
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATC WEATHER SERVICE/MAC

## EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72440 PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
45			33	36	42	50	61	56	56	42	27	16	
46	17	18	32	38	44	53	61	58	54	46	34	23	17
47	14	8	26	34	39	53	61	67	47	40	29	25	8
48	17	16	20	37	47	56	60	60	56	38	36	17	12
49	23	26	25	37	49	56	66	63	49	43	26	25	23
50	24	17	17	26	45	54	64	62	46	44	19	16	16
51	16	12	28	34	48	55	60	59	46	44	26	14	12
52	16	27	25	35	44	56	55	58	51	32*	27	22	16
53	25	24	24	32	52	48	64	61	50	43	30*	18	18
54	16	20	22	29	42	55	61	59	55	40	31	19	15
55	14	13	24	35	46	56	63	65	57	40	16	17	13
56	22	22	25	32	42	55	61	60	46	46	21	25	21
57	17	25	30	32	42	55	62	63	49	35	30	14	10
58	18	7	30	37	48	54	67	65	53	43	20	10	7
59	11	15	29	37	45	53	66	63	52	42	23	22	11
60	20	21	16	33	45	58	64	62	58	38	30	12	12
61	7	10	25	31	45	58	60	62	55	42	33	22	7
62	12	17	20	36	50	61	62	62	53	38	36	15	12
63	9	10	30	44	44	56	59	58	48	43	34	14	9
64	14	22	26	32	46	52	62	58	53	36	22	16	14
65	-3	9	19	30	52	54	60	54	54	30	27	25	-3
66	12	12	25	35	36	50	64	63	53	40	30	14	12
67	10	12	15	37	43	45	58	61	49	39	23	21	10
68	9	10	21	36	43	58	64	59*	53*	35	27	15	9
69	11	18	21	28	44	58	63	61	49	33	21	21	17
70	4	10	23	33	41	58	66	64	49	41	21	22	4
71	14	9	27	35	44	59	64	63	58	51	31	24	9
72	7	19	26	30	49	50	56	59	55	35	27	22	7
73	18	12	28	37	43	56	62	62	54	40	32	21	12
74	21	21	27	35	44	55	65	57	48	32	26	26	21
MEAN													
S.D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

720 4 PATUXENT RIVER NAS MD

45-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
75	23	22	23	31	45	58	64	55	56	38	36	20	27
76	14	18	37	35	44	52	60	59	54	34	20	16	14
77	-3	11	29	31	39	51	57	58	55	36	26	16	-3
78	11	15	17	39	40	54	57	65	51	38	32	23	11
79	12	6	24	34	44	52	57	59	54	38	26	19	6
80	21	15	13	31	44	53	65	62	50	37	27	10	12
81	7												
MEAN	13.9	15.7	24.3	34.0	44.4	54.4	61.7	60.9	52.1	39.3	27.3	18.8	11.6
S.D.	6.185	5.810	4.921	3.481	3.460	3.314	3.060	2.906	3.534	4.498	5.284	4.547	5.377
TOTAL OBS	1115	989	1116	1090	1116	1080	1116	1116	1079	1115	1079	1115	13116

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 84

0-88-5 (OLA)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)

UNCLASSIFIED

**SBI-AD-E850 174**

NL

4. 5



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

74-81

YEARS

JAN

MONTH

PAGE 1 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61			.4																	3	3			
62/ 59		.1		.3			.1													4	4			
56/ 57		.1	.1	.3	.1															5	5	4		
56/ 55	.3	.3	.3	.1			.1													8	8	6	4	
54/ 53	.3	.1	.4	.3																8	8	6	7	
52/ 51	.1	.4	.1	.1		.4														9	9	6	4	
50/ 49		.7	.7			.1														11	11	8	3	
48/ 47	.1	1.2	.3	.1	.4															16	16	11	13	
46/ 45	.4	.7																		8	8	18	11	
44/ 43	.3	2.2	.4	.1	.3															24	24	10	17	
42/ 41	.5	2.2	1.9	.5																38	38	27	11	
40/ 39	1.0	1.9	1.5	.8	.1															39	39	29	26	
36/ 37	2.0	3.8	3.0	1.2	.1															75	75	52	28	
36/ 35	1.0	3.1	3.4	1.4																65	65	47	37	
34/ 33	.8	2.6	3.0	1.8	.1															61	61	63	30	
32/ 31	1.1	4.4	4.4	.7																77	77	67	59	
30/ 29	.8	3.4	2.6	.5																54	54	63	41	
28/ 27	.4	2.2	2.6	.8																44	44	67	31	
26/ 25	.3	2.9	4.6	.1																58	59	48	51	
24/ 23		1.2	3.0	.3																33	33	42	29	
22/ 21		1.1	1.8																	21	21	56	53	
20/ 19	.3	1.1	1.4																	20	20	23	50	
18/ 17		.4	.5																	7	7	26	46	
16/ 15		.8	1.1																	14	14	6	20	
14/ 13		1.8	.3																	15	15	14	26	
12/ 11	.1	.5																		5	5	18	32	
10/ 9		.3																		2	2	5	26	
8/ 7		.3																		2	2	2	23	
6/ 5		.5																		4	4	5	16	
4/ 3		.1																		1	1	1	8	
2/ 1																						1	13	
0/ -1	.3																			2	2	2	8	
-2/ -3																							5	
-4/ -5																							5	
Element (X)	Σ X'		Σ X		X	No. Obs.		Mean No. of Hours with Temperature							Total									
Rel. Hum.								≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F											
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JAN 64

## PSYCHROMETRIC SUMMARY

74-81

YEARS

**JAN**  
**NORTH**

PAGE 2 0000-0200  
10000 (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

74-81

YEARS

JAN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
62/ 61	.1		.1															2	2	1	1				
60/ 59	.1																	1	1	1	1				
58/ 57	.3	.1		.3														5	5	3	2				
56/ 55		.4	.4															6	6	1	1				
54/ 53		.8	.3															8	8	4	3				
52/ 51		.5				.3												6	6	11	3				
50/ 49		1.2			.7													14	14	12	11				
48/ 47		1.0	.4	.1	.1													17	17	4	12				
46/ 45		.9	.8	.3	.3													17	17	13	5				
44/ 43	.8	.9	.5		.1													19	19	16	18				
42/ 41	.8	2.2	.9	.8	.1													36	36	30	9				
40/ 39	1.2	1.0	.7	.2														30	30	27	25				
38/ 37	2.2	2.7	2.3	1.2														62	62	41	28				
36/ 35	1.1	3.8	2.8	1.9														71	71	46	37				
34/ 33	1.5	4.3	3.7	.9														77	77	71	31				
32/ 31	.9	3.9	3.1	1.4														69	70	68	53				
30/ 29	.9	2.0	2.7	.3														44	44	63	46				
28/ 27	.7	3.8	2.0	.7														53	53	53	51				
26/ 25	.3	3.0	2.4	.1														43	43	56	41				
24/ 23		2.0	3.1															38	38	51	22				
22/ 21		1.1	2.7															28	28	48	51				
20/ 19		.9	2.2															23	23	28	56				
18/ 17		1.8	.8															19	19	19	38				
16/ 15	.1	1.8	.5															18	18	26	28				
14/ 13	.3	1.1	.4															13	13	23	24				
12/ 11	.3	.5																6	6	13	28				
10/ 9		.4																3	3	8	22				
8/ 7		.1																1	1	1	16				
6/ 5		.3																2	2	1	19				
4/ 3		.3																2	2	3	13				
2/ 1	.3																	2	2	3	17				
0/ -1	.1																	1	1	1	9				
-2/ -3	.4																	3	3	3	6				
-4/ -5																					2				
Station (N)	S <sub>1</sub>		S <sub>2</sub>		S <sub>3</sub>		S <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											0 F		0 F		0 F		0 F		0 F		Total				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

**JAN**  
**MONTANA**

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72404U  
STATION

PATUXEN RIVER NAS MD  
STATION NAME

74-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63		.4																	3	3					
62/ 61																					3				
60/ 59		.3																	2	2	1				
58/ 57			.1																1	1	1				
56/ 55			.1																1	1					
54/ 53		1.0	.1																8	8	1				
52/ 51		.7		.3															7	7	9				
50/ 49	.1	.7			.1														7	7	6				
48/ 47	.3	.7	.4	.1	.4														14	14	9				
46/ 45	1.0	1.4	.4	.4	.5														27	27	17				
44/ 43	.1	.8	1.0	.1	.3														17	17	11				
42/ 41	.8	2.2	.3	.7															29	29	21				
40/ 39	1.2	1.8	1.2	1.8	.1														45	45	40				
38/ 37	1.6	4.0	1.9	1.5															66	66	39				
36/ 35	1.4	2.3	2.0	1.8															55	55	56				
34/ 33	1.8	4.1	2.7	1.6	.1														76	76	64				
32/ 31	1.0	4.9	4.8	1.2															87	88	58				
30/ 29	.8	1.9	2.3	.3															39	39	81				
28/ 27	.8	2.2	2.3	.1															40	40	58				
26/ 25	.1	2.7	2.5	.4															42	42	44				
24/ 23	.1	2.3	2.5	.1															37	37	41				
22/ 21	.3	1.9	1.6																28	28	48				
20/ 19		1.6	1.5																23	23	30				
18/ 17		2.0	1.4																25	25	18				
16/ 15	.1	1.4	.7																16	16	27				
14/ 13		.7	.5																9	9	14				
12/ 11	.4	1.1																	11	12	12				
10/ 9		1.0																	7	7	15				
8/ 7																					3				
6/ 5		.3																	2	2					
4/ 3																					2				
2/ 1		.3																	2	2					
0/ -1	.4																		3	3	5				
-2/ -3	.3																		4	4	4				
Station (T)	Σ		Σ		Σ	Σ	No. Obs.										Mean No. of Hours with Temperature								
Rel. Hum.																	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) CHECK REVERSE SIDE OF THE FORM FOR COORDINATE

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HOURS (L. S. T.)

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REVEREND MEMBERS OF THIS HOUSE ARE COMING

**0-26-5 (OL A)**

**2001**

**USAHEAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

74-81

YEARS

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
70/ 69				.1														1	1						
68/ 67			.1															1	1						
66/ 65			.1			.1												2	2						
64/ 63		.1																1	1	3					
62/ 61		.3																2	2	2	2				
60/ 59				.1	.1													2	2	1	3				
58/ 57		.1	.4	.3														6	6	2	1				
56/ 55		.5	.1		.1	.1												7	7	1	1				
54/ 53		.5	.3	.5		.1												11	11	9	2				
52/ 51	.1	.5	.4	.5	.1	.1												14	14	7	9				
50/ 49	.4	.3	.4	.1	.7	.1	.1											16	16	10	9				
48/ 47	.1	1.1	.3	.8	1.0													24	24	15	8				
46/ 45	.1	1.4	.8	.7	.7	.4												30	30	18	7				
44/ 43	.4	1.2	.8	1.2	.8	.4												36	36	17	21				
42/ 41	.7	2.2	.5	2.9	1.4													56	56	35	18				
40/ 39	2.1	2.2	1.9	2.3	.8													68	68	53	31				
38/ 37	.8	2.2	1.6	2.7	1.0													61	61	50	32				
36/ 35	1.5	2.3	2.5	2.6	.3													67	67	64	33				
34/ 33	1.0	1.8	2.6	2.3	.3													58	58	63	29				
32/ 31	.8	2.6	2.2	5.2	.4													67	68	72	54				
30/ 29	.5	.8	2.2	1.8	.1													40	40	60	40				
28/ 27	.1	1.4	3.3	1.5														46	46	42	40				
26/ 25	.1	1.1	2.3	.5														30	30	48	46				
24/ 23	.1	.8	1.4	.3														19	19	51	25				
22/ 21	.3	.3	1.6	.3														18	18	34	31				
20/ 19		.1	2.3															18	18	19	62				
18/ 17		.7	.5															9	9	16	41				
16/ 15		.1	.8															7	7	14	25				
14/ 13		.3	.4															5	6	6	34				
12/ 11		.4																3	4	8	24				
10/ 9																				5	23				
8/ 7		.5																2	2		20				
6/ 5		.1																1	1	2	13				
4/ 3																				1	12				
Element (X)	Σ X <sup>1</sup>		Σ X		Σ	° F	Mean No. of Hours with Temperature										Total								
Rel. Hum.							≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

124040	PATUXENT RIVER NAS MD
STATION	STATION NAME

**74-81**

**YEARS**

JAN  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

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**YEARS**

**JAN**  
**MONTH**

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**74-81**

**YEAR2**

**MENTAL**

PAGE 4 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61 5																					14
41 3																					13
21 1																					15
01 -1																					4
-11 -3																					3
-41 -5																					6
-61 -7																					1
TOTAL	4.7	16.7	29.7	23.4	16.8	5.1	1.8	1.8										730	732		730



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

74-81

YEARS

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL																																													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																																																							
71																																																																											
65																																																																											
61																																																																											
59																																																																											
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43																																																																											
41																																																																											
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11																																																																											
9																																																																											
7																																																																											
5																																																																											
3																																																																											
1																																																																											
-1																																																																											
Element (X)	Σ X <sup>2</sup>					Σ X					Σ					Σ <sub>n</sub>					No. Obs.					Mean No. of Hours with Temperature																																																	
Rel. Hum.																										≤ 0 F					≤ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total																			
Dry Bulb																																																																											
Wet Bulb																																																																											
Dew Point																																																																											

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

74-81

**YEARS**

JAN  
MONTH

PAGE 2

1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

74-81  
YEARS

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
75/ 69						.1	.1											2	2					
62/ 61			.3		.3		.1											5	5					
60/ 59		.1			.3													3	3	2				
58/ 57		.3		.3	.4													7	7	3				
56/ 55		.4	.5			.3												9	9	5	3			
54/ 53		.5			.1	.4												8	8	4	5			
52/ 51		.4		.1	.1													5	5	12	5			
50/ 49	.5	.1	.1															6	6	9	10			
48/ 47		1.1	.4	.3														13	13	4	5			
46/ 45	.1	1.2	.3	.1														13	13	12	5			
44/ 43	.3	3.7	.5	.1														34	34	19	13			
42/ 41	.3	1.2	3.0	.1														38	38	34	18			
40/ 39	1.8	1.2	2.2	1.2	.5	.1												52	52	35	38			
38/ 37	1.1	3.4	2.6	1.4	.5													66	66	41	25			
36/ 35	1.2	2.9	3.2	1.9														67	67	54	33			
34/ 33	.3	1.5	4.0	1.6														54	54	57	25			
32/ 31	.3	4.4	4.0	2.2														79	79	59	31			
30/ 29	1.4	3.3	3.8	.5														66	67	75	34			
28/ 27		2.1	2.6	2.2														50	50	61	29			
26/ 25	.4	1.6	4.4	.5														51	51	64	42			
24/ 23		.8	2.1	.5														25	25	43	38			
22/ 21		1.2	1.8															22	22	52	49			
20/ 19	.4	.5	1.9															21	21	25	33			
18/ 17		.5	.4															7	7	16	34			
16/ 15		1.1	.4															11	11	17	28			
14/ 13		.4	.5															7	7	9	41			
12/ 11																				6	17			
10/ 9		.5																4	4	3	35			
8/ 7		.3																2	2	5	15			
6/ 5	.1																	1	1	2	17			
4/ 3	.1																	1	1	1	7			
2/ 1		.1																1	1	1	10			
0/ -1																					10			
-2/ -3																					7			
Element (X)	Σ X'		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.									≤ 6 F		≤ 22 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JAN 84

## PSYCHROMETRIC SUMMARY

74-81

**YEARS**

**JAN**  
**MONTH**

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

74-81

**YIARS**

**JAN**  
**MONTH**

PAGE 1

ALL

HOURS (L, S, Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

**74-11**

**NAME**

**MONTH**

**PAGE 2**



MOORE (L. S. V.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
1		.4																9	9	20	100			
2	.0	.2																10	10	11	110			
3	.0	.1																4	4	8	87			
4	.0	.1																6	6	5	96			
5	.1																	6	6	9	58			
6	.1																	7	7	7	67			
7																					36			
8																					27			
9																					11			
10																					3			
TOTAL	8.7	31.7	33.0	16.8	6.7	2.2	.6	.3										5849	5861	5849	5849			
														</										

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

YEARS

FEB  
MONTH

PAGE 1 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
65/ 65					.1	.1												2	2						
64/ 63			.1		.1													2	2						
62/ 61			.3		.1													3	3						
60/ 59			.1	.3	.1		.1	.4										8	8	1					
58/ 57				.4	.1	.3	.1											7	7	4	1				
56/ 55				.4	.4	.3												8	8	2					
54/ 53			.1	.9	.3	.3	.4											14	14	3	3				
52/ 51		.4	1.0	.4	.4	.4												15	15	4					
50/ 49	.1	.6		.4	.4		.3											13	13	15	6				
48/ 47		.3	.1	.1	.3	.3												8	8	21	7				
46/ 45	.3	1.2		.3	1.2	.3												22	22	16	13				
44/ 43	.3	1.5	1.0	.4	.3													24	24	22	19				
42/ 41		2.4	1.3	.1														26	26	15	10				
40/ 39		3.0	1.2	.7	.3													35	36	33	11				
38/ 37	1.0	3.7	2.5	.4	.6													56	56	48	27				
36/ 35	.4	2.7	3.0	.4														44	44	38	41				
34/ 33	.4	2.1	2.5	.7														39	39	31	34				
32/ 31	.1	3.9	2.4	1.5														53	54	39	30				
30/ 29	.3	3.6	3.9	1.5														62	62	51	37				
28/ 27	1.0	3.1	4.0	1.0														62	62	48	31				
26/ 25	.7	2.4	4.3	.4														53	54	46	44				
24/ 23		1.2	2.1															22	22	39	26				
22/ 21	.6	1.2	2.1															26	26	44	39				
20/ 19	.4	2.4	1.9															32	32	25	44				
18/ 17	.1	.6	.3															7	7	28	28				
16/ 15	.3	.7	1.0															14	14	15	35				
14/ 13		.3	.9															6	6	5	42				
12/ 11			.3															2	2	18	38				
10/ 9		.1																1	1	4	23				
8/ 7																				3	12				
6/ 5																					12				
4/ 3																					10				
2/ 1																					8				
0/ -1																					6				
Element (X)	Σ H <sup>+</sup>		Σ H <sup>-</sup>		Σ	°	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.									≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-3 (OL A) REPRODUCED BY THE AIR FORCE

USAF/CIAC

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

**0000-0200**

**HOURS (L, S, T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3																					4			
-4/-5																					2			
-6/-7																					4			
-8/-9																					1			
-10/-11																					1			
-12/-13																					1			
TOTAL	6.4	37.3	37.0	10.6	5.1	2.1	1.0	.4										668	671	668	668			



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7240RU  
STATION

PAUXENI RIVER NAS MD  
STATION NAME

73-80

YEARS

FEB  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
66/ 65					.3	.1												3		3												
64/ 63																		1		1												
62/ 61		.1	.3	.3														5		5												
60/ 59					.1	.1	.3	.1										5		5		4										
58/ 57				.3	.3	.3												7		7		5	3									
56/ 55		.1			.4	.1												5		5		1	1									
54/ 53			.3	.1	.3	.1	.1											7		7		1	4									
52/ 51			1.0	.3	.3													11		11		4	2									
50/ 49		.1	.4	.4	.6	.3												13		13		6	1									
48/ 47		.4	.7	.7	.1													9		9		18	2									
46/ 45	.4	.9	.3	.6	.6	.3												21		21		14	16									
44/ 43	.4	.1	.7	.3	.3													13		13		16	9									
42/ 41	.4	3.6	.9	.9	.3													41		41		25	13									
40/ 39	.1	3.3	.7	.6	.1													33		33		29	17									
38/ 37	.1	3.6	1.2	.6	.3													39		40		41	26									
36/ 35	.1	3.6	2.7	.9														53		53		37	38									
34/ 33	.4	3.4	3.4	1.0														56		56		48	30									
32/ 31		3.6	2.4	1.2														48		48		51	33									
30/ 29	.3	2.7	3.1	.7	.1													47		47		51	35									
28/ 27	1.0	4.5	2.8	.4														59		60		49	48									
26/ 25	.3	2.7	3.9	.6														50		50		62	51									
24/ 23	.6	1.6	2.8															34		34		40	27									
22/ 21	.1	2.4	1.0															24		24		54	42									
20/ 19	.6	1.9	2.7															35		35		37	42									
18/ 17		1.8	.6															16		16		17	31									
16/ 15	.3	.9																8		8		25	30									
14/ 13		1.6	.4															14		14		9	34									
12/ 11		.3	.7															7		7		11	42									
10/ 9			.1															1		1		4	28									
8/ 7		.3	.1															3		3		7	11									
6/ 5																						2	9									
4/ 3																							15									
2/ 1																							9									
0/ -1																							6									
Elevation (X)	28'		28'		2'		4'		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											± 4 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F											Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

FORM 0-26-5 (OL A) REVERSE SERVICE DIVISION OF THE POSTAL SERVICE

USAFETAC

## PSYCHROMETRIC SUMMARY

724040	PATUXENT RIVER NAS MD
STATION	STATION NAME

**73-80**

**YEARS**

**FEF**

PAGE 2 0300-0500  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-2/-5																					4	
-6/-7																					3	
-8/-9																					2	
-10/-11																					1	
-12/-13																					1	
-14/-15																					2	
Precipitation	6.1	43.9	33.4	10.2	4.5	1.5	.4	.1											668		668	
																		668		668		

## PSYCHROMETRIC SUMMARY

<u>124040</u>	<u>PATUXENT RIVER NAS MD</u>
STATION	STATION NAME

**73-80**

**YEARS**

**FEB**  
**MONTH**

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point											
66/ 65			.1		.1													2	2												
64/ 63			.1		.1													4	4												
62/ 61			.1	.1														2	2	1											
60/ 59							.4											3	3	1											
58/ 57				.5														2	2	1											
56/ 55		.1	.4		.3	.1												10	10	2											
54/ 53	.1	.1	.3	.1		.3												7	7	2											
52/ 51		.6	.6		.1	.1												10	10	3											
50/ 49	.3	.1	.1	.1	.7													10	10	9											
48/ 47	.1	.9	.6	.4	.3													16	16	6											
46/ 45		.1	.4	.1	.4	.1												17	17	7											
44/ 43		1.8	.4	.6		.1												20	20	11											
42/ 41		2.4	.6	.4	.3													25	25	15											
40/ 39	.3	2.4	1.2	.7														31	31	19											
38/ 37	.3	4.2	1.6	.9	.4													50	50	23											
36/ 35	.4	3.1	2.4	.3	.6													46	46	27											
34/ 33	.6	4.5	3.6	.1														58	58	33											
32/ 31	.3	3.1	4.5	.4														56	56	39											
30/ 29	.4	2.2	3.3	.4														43	43	42											
28/ 27	.6	3.1	2.7	.7														48	48	41											
26/ 25	.6	3.6	4.2															56	56	35											
24/ 23		2.4	1.8															28	28	35											
22/ 21	.1	2.7	1.8															35	35	34											
20/ 19	.4	2.7	2.2	.1														37	37	46											
18/ 17		1.8	1.2															15	16	40											
16/ 15	.1	.7	.1															7	7	38											
14/ 13		.7	.1															6	6	34											
12/ 11	.1	1.8	.4															16	16	30											
10/ 9	.1	.1	.1															3	3	24											
8/ 7		.7																5	5	18											
6/ 5																				10											
4/ 3																				12											
2/ 1																				8											
0/ -1																				6											
Element (X)	Σ X'		Σ X		Σ	σ <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.									≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb																															
Wet Bulb																															
Dew Point																															

## PSYCHROMETRIC SUMMARY

73-80

FEB  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3																					6			
-4/-5																					2			
-6/-7																					1			
-8/-9																					2			
-10/-11																					3			
-14/-15																					3			
TOTAL	5.8	46.1	55.5	7.6	3.6	.9	.4											668	669	668	668			



## PSYCHROMETRIC SUMMARY

73-80

YEARS

**FEB**  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 5																				1	9			
4 / 5																					7			
2 / 1																					7			
-2 / -1																					4			
-2 / -3																					1			
-4 / -5																					5			
-6 / -7																					3			
-8 / -9																					1			
-10 / -11																					1			
-12 / -17																					1			
TOTAL	3.6	20.5	26.7	25.3	12.7	5.3	3.6	1.7	.5										659	660	659			

## PSYCHROMETRIC SUMMARY

12414U  
STATION

PAIUXENT RIVER NAS MU  
STATION NAME

73-84

**YEARS**

F F H

MONTH

PAGE 1

1200-1400

1200-240  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-AD

**FREE**

PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 4		2																1	1	4	22
11/ 7																				1	21
12/ 5																					6
13/ 3																					11
14/ 1																					4
15/ -1																					5
-1/ -3																					6
-4/ -5																					1
-6/ -7																					5
-10/-11																					1
TOTAL	5.0	13.6	16.7	20.2	22.0	10.9	5.0	4.8	2.3	.9	.3	.3						660	662	660	660

Element (X)	Z <sub>H'</sub>	Z <sub>H</sub>	X	c <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2136862	55182	53.3	9.918	660	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	1242502	27552	41.6	12.039	662		21.4	3.2	1.5			84
Wet Bulb	884731	23259	35.2	9.936	660		37.4					84
Dew Point	497343	16039	24.3	12.776	660	2.3	62.1					84



## PSYCHROMETRIC SUMMARY

**YEARS**

FFA

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

<u>124040</u>	<u>PAIULANI RIVER NAS MU</u>
STATION	STATION NAME

73-84

**FEB**  
**MONY**

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
11 / 9																					1	18		
6 / 7																						21		
6 / 5																						3		
4 / 3																						4		
4 / 1																						9		
4 / -1																						9		
-4 / -3																						4		
-4 / -5																						3		
TOTAL	5.315	7.16	6.20	5.23	3.11	0.6	2.7	2.7	2.4	1.6	.3	.3	.1					668	669	668	668			

## PSYCHROMETRIC SUMMARY

724040      PATUXENT RIVER NAS MD  
STATION      STATION NAME

**73-80**

**FEB**

PAGE 1 1800-2000  
HOURS (L. J. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point											
14/ 69						.2		.2										2	2												
67/ 67					.2	.2					.2							3	3												
66/ 65						.2	.3			.2								4	4												
64/ 63					.2	.2	.2		.2	.2								4	4												
62/ 61		.2		.2				.5										5	5												
60/ 59		.5		.2	.3	.2	.3	.2										10	10	4											
58/ 57		.2			.2	.3		.8										9	9	4											
56/ 55		.2	.2		.3	.2	.8		.2									11	11	4											
54/ 53	.2	.6	.2		.2	.2		.2										9	9	8											
52/ 51		.3	.9	.3	.3	.2	.3											15	15	9											
50/ 49		.6	.2	.5		.5	.2											12	12	5											
48/ 47	.2	.5	.8	.5	.8	.5												20	20	21											
46/ 45		1.5	.9	.9	.6	.6												30	30	21											
44/ 43	.6	1.5	1.8	1.5	.5													39	39	26											
42/ 41	.2	1.5	2.0	1.4	.8	.2												59	59	27											
40/ 39	.5	2.4	1.8	2.7	.5													52	52	50											
38/ 37	.2	2.3	1.4	1.8	.8													42	42	43											
36/ 35	.3	.5	3.0	3.2	.2													47	47	38											
34/ 33	.5	3.0	1.8	2.7	.2													54	54	47											
32/ 31		2.1	3.3	3.3	.6													63	63	49											
30/ 29	.6	1.8	3.6	3.3														62	62	59											
28/ 27	.5	1.5	2.9	2.6														49	49	55											
26/ 25	.2	1.7	2.7	1.4														39	40	60											
24/ 23		.8	.8	.3														12	12	50											
22/ 21	.2	.5	.5	.2														8	8	37											
20/ 19	.3	.8	.6	.5														14	14	13											
18/ 17			.6	.2														5	5	9											
16/ 15	.2	.2	.3															4	4	8											
14/ 13		.2	.2															2	2	6											
12/ 11																				3											
10/ 9																				1											
8/ 7																															
6/ 5																															
4/ 3																															
Element (X)	Σ x'			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature															
Rel. Hum.																≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																															
Wet Bulb																															
Dew Point																															

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.S./V.S.	Dry Bulb	Wet Bulb	Dew Point			
+1/-1																					3			
-1/-3																					7			
-3/-5																					4			
-5/-7																					4			
-7/-9																					2			
-9/-11																					2			
-11/-13																					1			
-13/-15																					1			
TOTAL	4.224	830.1	27.9	6.2	3.2	2.0	1.7	.3	.2	.2								665	666	665				
																		665		665				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80  
YEARS

YEARS

FEB  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
64/ 63					.5	.3	.2	.2										7	7								
62/ 61				.2			.3	.2										4	4								
60/ 59		.3		.2			.5	.2										7	7	1							
58/ 57				.8	.3	.6	.3	.6										17	17	2	2						
56/ 55		.2	.3	.6		.3	.9											15	15	3							
54/ 53		.2	.5		.3	.2	.2											8	8	5							
52/ 51	.2	.2	.3	.3	.2	.5	.3											12	12	12	4						
50/ 49		.3		.2	.2	.2												5	5	11	4						
48/ 47	.2	.8	.6	.5		.2												14	14	18	11						
46/ 45	.2	1.5	.3	.6	.5	.3												22	22	19	15						
44/ 43	.5	2.1	.9	1.4	.3													34	34	29	17						
42/ 41	.2	1.7	2.3	1.4	.6													40	40	21	10						
40/ 39	.3	2.1	2.4	1.5		.3												44	44	28	22						
38/ 37	.9	2.7	2.1	.9	.3													46	46	33	23						
36/ 35		1.8	2.1	.9	.2													33	33	45	33						
34/ 33	.6	2.1	3.5	.6														45	45	45	35						
32/ 31		3.3	4.5	2.6														69	69	36	32						
30/ 29	.6	2.4	5.4	1.8														68	68	56	38						
28/ 27	.6	1.4	2.3	1.8														40	40	54	61						
26/ 25	.5	1.8	2.9	.6														37	37	64	53						
24/ 23		1.8	2.4	.5														31	31	46	32						
22/ 21		2.4	.9	.5														25	25	43	38						
20/ 19	.5	2.0	.8															21	21	35	37						
18/ 17		.3	.9															8	8	16	39						
16/ 15			1.2															8	8	5	34						
14/ 13			.3															2	2	9	49						
12/ 11			.2															1	1	4	26						
10/ 9		.3																2	2	2	15						
8/ 7																				3	13						
6/ 5																					9						
4/ 3																					6						
2/ 1																					6						
0/ -1																					8						
-2/ -3																					1						
Element (X)	Σ <sub>g</sub>				Σ <sub>x</sub>				Σ				° <sub>s</sub>				No. Obs.				Mean No. of Hours with Temperature					Total	
Rel. Hum.																					≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

FORM 0-24-S (01-1)

USAFETAC

## PSYCHROMETRIC SUMMARY

<u>124040</u>	<u>PAIUXENT RIVER NAS MU</u>
STATION	STATION NAME

73-00

**FEB**  
**MARCH**

PAGE 2 2100-2300

[illegible]

## PSYCHROMETRIC SUMMARY

42 424

PAGE 1

**HOW TO**

MOORE (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																				TOTAL	TOTAL														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
76/ 77									.0	.1								7	7																	
76/ 75									.1	.0								7	7																	
76/ 73							.0	.1	.0	.0	.0	.0	.0					10	10																	
76/ 71							.1		.0	.0	.0	.0						8	8																	
70/ 69					.0	.1		.1	.0	.0	.0							10	10																	
68/ 67				.0	.0	.1	.1	.0	.0	.0	.0							16	16																	
66/ 65			.0	.0	.2	.1	.0	.1	.1	.1								31	31																	
64/ 63		.0	.1	.1	.1	.1	.1	.1	.2	.0								40	40																	
62/ 61		.1	.1	.1	.0	.0	.1	.2	.2									45	45	19	1															
60/ 59		.2	.0	.2	.2	.2	.4	.3		.1								73	73	25	8															
50/ 51		.1	.1	.2	.3	.2	.1	.4	.0	.0								75	75	37	12															
50/ 55		.2	.2	.4	.4	.3	.4		.0									102	102	25	14															
54/ 53	.1	.3	.3	.2	.3	.3	.3	.2										111	111	43	30															
52/ 51	.1	.3	.6	.2	.4	.4	.3	.0										122	122	83	38															
50/ 49	.1	.3	.3	.4	.5	.5	.2											125	125	106	46															
48/ 47	.1	.8	.5	.5	.7	.6	.2	.0										176	176	187	62															
46/ 45	.1	1.2	.5	.6	1.1	.6	.1											226	226	163	97															
44/ 43	.2	1.2	.8	1.0	.5	.4												224	224	197	122															
42/ 41	.1	1.7	1.1	1.0	1.0	.5												291	291	212	116															
40/ 39	.2	2.0	1.3	1.4	.9	.2												320	321	294	144															
38/ 37	.4	2.6	1.5	1.2	1.0	.1												363	364	340	175															
36/ 35	.5	2.0	2.3	1.7	.9	.0												377	378	325	244															
34/ 33	.5	2.4	2.3	1.9	.4													378	378	407	250															
32/ 31	.1	2.6	3.3	2.4	.7	.0												487	490	381	282															
30/ 29	.5	1.8	3.0	1.9	.2													389	389	429	273															
28/ 27	.7	2.1	2.4	1.3	.1													351	352	423	424															
26/ 25	.4	1.8	2.8	.7														300	302	462	329															
24/ 23	.1	1.1	1.4	.2														152	152	367	245															
22/ 21	.5	1.2	1.0	.1														140	140	296	278															
20/ 19	.5	1.6	1.4	.1														168	168	174	385															
18/ 17	.0	.5	.6	.0														60	62	118	288															
16/ 15	.1	.3	.5															50	50	89	268															
14/ 13		.4	.3															39	39	48	297															
12/ 11	.0	.3	.2															29	29	44	275															
Station (R)	S <sub>1</sub>		S <sub>2</sub>		S <sub>3</sub>		S <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

## PSYCHROMETRIC SUMMARY

73-AD

**FEB**  
MONTH

**PAGE 2**

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
10 / 4		0.0	0.1	0.0														10	10	32	176			
0 / 1			0.6	0.0														9	9	21	130			
0 / 5																				8	69			
4 / 3																					67			
1 / 1																					54			
1 / -1																					52			
-2 / -3																					33			
-4 / -5																					16			
-6 / -7																					24			
-8 / -9																					15			
-10 / -11																					9			
-12 / -13																					2			
-14 / -15																					6			
-16 / -17																					1			
TOTAL	4.7	29.2	29.1	17.0	10.0	4.6	2.2	1.6	.7	.3	.1	.1	.0						5332		5321			
																			5321		5321			



## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTANA

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point										
75/ 77									.1									1	1											
74/ 73								.3										2	2											
72/ 71				.1														1	1											
70/ 69				.1	.5	.1	.1											7	7											
68/ 67				.1	.3	.5	.3											9	9											
66/ 65						.5												4	4	1										
64/ 63		.1	.1		.1	.3												5	5	2										
62/ 61			.1		.4	.1												5	5	8										
60/ 59	.1	.4	.8	.4		.4												16	16	7										
58/ 57		.5	.5	.4														11	11	9										
56/ 55	.3	.1	.7	.4	.3		.7											18	18	23										
54/ 53	.4	.3	1.6	.1	1.1													31	31	12										
52/ 51		1.0	1.5	.5	.5	.4	.1											30	30	10										
50/ 49	.5	1.8	2.7	1.1	.1	.4												44	44	34										
48/ 47	1.6	5.3	2.6	2.0	1.0	.5	.3											98	98	47										
46/ 45	.4	2.6	3.0	1.4	1.5													65	65	74										
44/ 43		4.2	1.2	2.0	1.8	.1												69	69	61										
42/ 41	.1	1.8	2.2	1.6	2.3													59	59	55										
40/ 39	.3	1.2	2.9	2.3	.5													53	53	57										
38/ 37	1.4	2.2	1.8	1.6	.5													55	55	75										
36/ 35	.5	2.0	1.5	1.4	.4													43	43	67										
34/ 33	.5	1.4	.7	1.1	.1													28	28	51										
32/ 31	.4	1.0	2.2	.7														31	31	39										
30/ 29		.7	1.8	.4														21	21	27										
28/ 27		.7	.4	.3														10	11	32										
26/ 25			.4	.1														4	4	17										
24/ 23		.3	.3															4	4	7										
22/ 21		.4	.4															6	6	8										
20/ 19	.4		.3															5	5	9										
18/ 17			.1															1	1	2										
16/ 15																				2										
14/ 13																														
12/ 11																														
10/ 9																														
Element (X)	Σ X'																													

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

DATE  
MONTH

PAGE 2

~~0000-0200~~  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1																													5			
2																													1			
3																													3			
4																													2			
TOTAL	7.127	9.29	1.118	3.11	5.4	2.1	5.3	.1																			736	737	736			

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3916936	52160	70.9	17.316	736	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1479228	32284	43.8	9.480	737		10.5	2.5	.4			93
Wet Bulb	1228490	29360	39.9	8.828	736		18.1					93
Dew Point	956536	25224	34.3	11.192	736		40.1					93



## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

PAGE 2

0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724340 PATUXENT RIVER NAS MD

73-80

MAN  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67 / 67			.1	.1		.3												4	4					
66 / 65			.1	.4	.7													9	9					
64 / 63		.1	1.1	.1	.7	.1												16	16	1				
62 / 61		.6	.6	.1	.4													12	12	5				
60 / 59		.4	.4	.4	.1	.1												11	11	10	6			
58 / 57		.3	.4		.1	.1												7	7	15	13			
56 / 55	.6		.1	.6	.6													13	13	15	11			
54 / 53	.4	1.5	.4	.3	.8	.3	.1											28	28	10	9			
52 / 51		1.8	1.1	1.0	.7	.1												34	34	20	11			
50 / 49		3.5	1.5	1.2	.7													50	50	19	30			
48 / 47	1.4	3.6	1.0	1.2	.6	.3												58	58	56	32			
46 / 45	.8	3.9	1.1	1.9	1.0	.6												67	67	61	44			
44 / 43	.4	4.1	1.5	1.8	.8													63	63	50	37			
42 / 41	.8	1.7	2.6	2.5	1.0	.1												63	63	57	46			
40 / 39	.8	1.9	2.2	2.8	.6	.1												61	61	52	40			
38 / 37	1.0	2.1	2.4	1.9	.6													57	57	65	38			
36 / 35	.3	2.4	1.8	1.1	.1													41	41	67	45			
34 / 33	.7	1.7	1.2	1.1	.1													35	35	57	46			
32 / 31	.7	1.1	.8	1.4														29	29	42	56			
30 / 29		1.9	1.4	.3														26	26	27	33			
28 / 27		1.1	.8	.1														15	15	31	41			
26 / 25		.1	.6															5	5	26	37			
24 / 23			.7															5	5	10	29			
22 / 21		.1	.1															2	2	5	25			
20 / 19	.1	.1	.7															7	7	5	22			
18 / 17	.1		.1															2	2	3	10			
16 / 15		.1	.5															3	3	6	23			
14 / 13																				2	15			
12 / 11																					11			
10 / 9																					4			
8 / 7																					2			
6 / 5																					6			
4 / 3																					2			
2 / 1																					6			
TOTAL	8.2	34.2	25.3	20.5	9.5	2.2	.1											723	723	723	723			
Element (X)	ΣX'		ΣX		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	4092239		52993		73.3		16.976		723		≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	93							
Dry Bulb	1397209		31033		42.9		9.502		723			12.1	.5				93							
Wet Bulb	1188621		28539		39.5		9.274		723			20.2					93							
Dew Point	953332		24842		34.4		11.755		723			40.4					93							

USAFETAC FORM 34 0-26-5 (OLA) REVISION 10-64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 STATION PATUXENT RIVER NAS MD 73-80 YEARS MAR MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
10/ 11							.3											2	2						
16/ 75						.1		.1										2	2						
14/ 73					.1	.1			.1		.1							4	4						
12/ 71					.3		1.5	.1	.1									15	15						
1-/ 69				.1	.1	.4	.1											6	6						
6-/ 67			.3	.4	.1	.5	.1	.1		.1								13	13						
06/ 65			.4	.8	.3	.1	.3	.3	.1									17	17	4					
04/ 63			.1	.1	.4	.3	.5	.1	.3									14	14	6					
02/ 61				.4	.8	.4	.5	.1										17	17	14	4				
00/ 59			.5	.4	.5	.7	.3	.7		.1								24	24	18	5				
50/ 57		.4	.7	.5	.7	1.0	.7	.3	.1									32	32	10	10				
50/ 55	.4	1.5	1.1	.8	.8	1.2	.4	.4										49	49	28	11				
44/ 53		1.4	1.2	1.1	1.6	.7	.8											50	50	28	16				
52/ 51	.5	2.2	.7	1.2	1.5	1.2	.7	.1										60	60	38	33				
50/ 49	1.0	1.6	1.1	1.1	1.4	1.9	.7											64	64	59	41				
40/ 47	1.2	1.5	1.0	1.0	2.3	1.1	.4											62	62	55	53				
40/ 45	.5	1.4	1.1	1.2	3.0	1.5												64	64	61	24				
04/ 43	.1	1.6	1.6	1.0	2.9	.8												59	59	52	22				
02/ 41	.1	1.6	1.6	1.9	1.1	.3												49	49	57	35				
40/ 39	.5	.4	.3	1.0	1.0													23	23	71	53				
50/ 37	.3	.7	.5	.8	1.2													26	26	64	42				
30/ 35	.1	1.2	.1	.7	.5													20	20	47	33				
34/ 33	.3	.3		.8	.5													14	14	31	41				
02/ 31		.3	.3	1.1	.1													13	13	20	43				
50/ 29	.1	.1	.5	.5														14	14	17	32				
20/ 27		.7		.3														7	7	20	47				
20/ 25			.3	.1														3	3	14	38				
24/ 23																				6	31				
2/ 21			.3															2	2	3	28				
20/ 19		.4	.1															4	4	2	16				
10/ 17			.3															2	2	3	19				
10/ 15																				1	19				
14/ 13																				2	15				
12/ 11																									
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

MAK  
MONTH

0900-1100  
MORNING (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 PAUXENI RIVER NAS MD

75-80

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
81								.1	.4	.1								5														5					
79								.1	.4	.1								5														5					
77										.3								2														2					
75										.3								3														3					
73											.1							1														1					
71							.1				.3							3														3					
69				.1	.1	.1	.3	.1	.3									8														8					
67				.1	.1	.3	.3		.5	.1								10														10		1			
65				.3	.1	.7	.4	.1	.3	.3								16														16		4			
63			.1	.5	.8	.7	.5	.1	.4	.8								30														30		3			
61		.4	.5	.5	.3	.1	.5	1.0	.4	.5								30														30		6	1		
59		.7	.8	.7	.7	.7	.4	.5	.5									32														32		16	3		
57	.3	.5	1.0	1.4	.8	1.4	1.5	.7										55														55		18	6		
55	.8	1.4	1.2	1.4	1.4	1.6	1.9	1.1	.1									70														70		23	8		
53	.3	1.4	1.5	1.0	1.4	2.3	1.9	.7	.1									77														77		46	19		
51		1.6	1.5	1.0	1.4	2.5	1.6											69														69		53	20		
49	.4	1.5	1.0	1.2	1.9	2.0	1.0	.7										71														71		59	48		
47		3.1	.1	1.5	2.3	2.2	.3											70														70		76	37		
45	.1	1.5	1.0	1.0	1.4	.3	.7											43														43		77	51		
43		.7	1.1	.8	1.0	1.1												34														34		69	34		
41	.8	.1	.8	.3	1.0	.3												24														24		82	33		
39	.1	.3	.5	.1	.4													9														9		71	37		
37		.1		.4	.8													10														10		54	40		
35	.4	.5		.4	.8	.1												17														17		28	40		
33		.1		.5	.3													7														7		17	48		
31		.4	.4	1.0	.4													16														16		8	55		
29		.8	.1	.1														8														8		19	44		
27		.1																1														1		12	50		
25																																			3	20	
23			.4															3														3		20			
21																																			3	18	
19																																			2	20	
17	.3																	2														2		2	20		
15	.1																	1														1		1	21		
Element (X)																																		Mean No. of Hours with Temperature			
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A) AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

YF 483

MAR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**73-80**

NAME  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point														
79 / 79									.1									1	1															
78 / 77							.1											1	1															
76 / 75						.1	.1		.3									4	4															
74 / 73						.1		.1										2	2															
72 / 71						.1		.3	.1									4	4															
70 / 69						.1		.1										2	2															
68 / 67							.3											2	2															
66 / 65				.3	.3	.1		.1										6	6	2														
64 / 63		.1	.4	.1	.1	.1		.1	.1									9	9	3														
62 / 61		.8	.3	.1	.1		.4	.1	.1									15	15	2														
60 / 59		.4	.5	.5	.5	.5		.4	.1									19	19	19	3													
58 / 57		.1	.8	1.4	.1	.8	.4	.1	.1									29	29	9	11													
56 / 55		.8	1.2	.7	.5	.5	1.1	.3										38	38	9	9													
54 / 53		1.5	1.6	1.1	1.1	1.8	.8	.3										60	60	27	7													
52 / 51		1.2	1.5	1.4	1.2	1.9	.7	.1										59	59	35	18													
50 / 49	.4	2.6	.8	2.3	2.7	1.1												73	73	34	29													
48 / 47	.1	2.9	1.8	1.8	1.9	1.4	.5											76	76	58	47													
46 / 45	.5	3.2	2.3	2.2	2.6	1.2	.1											87	87	71	39													
44 / 43		2.3	1.5	2.9	1.6	.4												64	64	76	27													
42 / 41	.7	.8	1.2	2.1	.8	.3												43	43	84	49													
40 / 39	.1	1.6	2.5	1.0	.8	.1												45	45	70	40													
38 / 37	.1	.5	.5	1.0	.5													20	20	84	44													
36 / 35			.5	.8	.5													12	13	38	40													
34 / 33	.4		.4	.8	.1													13	13	25	49													
32 / 31		1.1	.7	1.4	.4													26	26	18	69													
30 / 29		.5	.4	.4														10	10	22	40													
28 / 27			.1	.1														2	2	15	47													
26 / 25			.3															2	2	14	41													
24 / 23			.1															1	1	7	22													
22 / 21																				3	19													
20 / 19																					13													
18 / 17	.4																	3	3	3	21													
16 / 15																					16													
14 / 13																					10													
Element (X)	ΣX'		ΣX		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total											
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

## PSYCHROMETRIC SUMMARY

YEARS

MAF  
MONTH

PAGE 2 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
11 / 11																					14		
11 / 10																					1		
11 / 9																					2		
11 / 8																					1		
11 / 7																					1		
TOTAL	2.6	20.7	19.5	22.4	16.1	10.7	4.7	2.2	1.1										728	729	728		

## PSYCHROMETRIC SUMMARY

73-80

     MAR       
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724 140 PATUXENT RIVER NAS MD

73-80

YEARS

MAR  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 63											.0								1	1				
46 61										.0	.1	.0							9	9				
47 79										.1	.0	.1	.0						12	12				
46 77								.1	.0	.0	.1								10	10				
46 75							.0	.0	.1	.1	.1								16	16				
46 73					.0	.0	.0	.1	.1	.0	.0	.0							17	17				
46 71				.1	.1	.1	.3	.1	.0	.0	.0								38	38				
46 69			.0	.1	.1	.1	.1	.0	.1	.0									35	35				
46 67			.1	.1	.1	.3	.3	.1	.1	.1	.0								66	66	2			
46 65			.1	.4	.3	.3	.1	.1	.1	.1									84	84	22			
46 63		.1	.3	.2	.4	.3	.2	.2	.1	.1									113	113	24	3		
46 61		.3	.3	.3	.4	.2	.4	.2	.1	.1									127	127	65	7		
46 59	.0	.3	.5	.4	.5	.5	.2	.3	.1	.0									162	162	100	30		
46 57	.1	.4	.6	.7	.2	.7	.5	.2	.1										199	199	118	84		
46 55	.2	.7	.9	.8	.7	.6	.7	.4	.0										293	293	145	75		
46 53	.2	1.1	1.2	.7	1.3	1.0	.7	.2	.0										371	371	186	93		
46 51	.2	1.7	1.2	.9	1.0	1.2	.7	.1											408	408	230	152		
46 49	.4	2.2	1.1	1.3	1.4	1.2	.4	.1											474	475	341	253		
46 47	.8	3.4	1.5	1.4	1.7	1.1	.3												588	588	452	338		
46 45	.4	2.8	1.6	1.5	1.6	.6	.1												506	507	526	343		
46 43	.1	2.6	1.5	1.7	1.5	.4	.0												459	459	505	254		
46 41	.4	1.1	1.8	1.8	1.2	.2													383	383	528	293		
46 39	.5	1.1	1.5	1.4	.8	.1													317	317	517	360		
46 37	.6	1.4	1.1	1.2	.6	.0													290	290	510	362		
46 35	.5	1.3	.8	.9	.3	.0													210	211	404	308		
46 33	.4	.8	.5	1.0	.2	.0													166	166	303	375		
46 31	.2	.9	.9	1.0	.1														184	184	202	423		
46 29	.0	1.0	.9	.4															138	138	186	319		
46 27		.4	.3	.2															53	54	178	324		
46 25		.1	.4	.0															28	28	135	319		
46 23		.1	.3																18	18	56	222		
46 21	.0	.1	.2																14	14	35	178		
46 19	.2	.1	.3																34	34	28	189		
46 17	.1	.0	.1																13	13	21	153		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of obs with Temperature											
Rel. Hum.													± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72440 STATION PATUXENT RIVER NAS MD 73-80 YEARS MAH MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
1 / 15	.0	.0	.0																4	4	15	126															
1 / 15																					6	95															
1 / 11																						66															
1 / 7																						38															
1 / 7																						20															
1 / 5																						11															
1 / 3																						15															
1 / 1																						12															
TOTAL	5.1	23.9	20.1	18.5	14.5	8.9	5.1	2.2	1.1	.7	.1								5840	5840	5840																
																			5840	5840	5840																

USAFETAC FORM 44 0-26-5 (OLA) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-80

YEARS

**APR**  
**MONTH**

PAGE 1 0000-0200

[illegible]

## PSYCHROMETRIC SUMMARY

124040  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

73-80

YEARS

APR  
MONTH

PAGE 2

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	2.4	16.5	29.9	21.4	19.0	7.3	1.8	1.1	.1	.3									709	711	709	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 STATION PATUXENT RIVER NAS MD

73-80

YEARS

APR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
71					.1			.3										3		3				
69				.6	.4	.1		.1										9		9				
67				.5	.1		.1											8		8				
65		.4	1.0	.7	.7	.1		.1										22		22		1		
63		.4	.3	.4	.1	.3	.6											15		15		11		
61	.1	.7	.7	1.7	.4													26		26		17 9		
59		1.0	.7	.6	.1	.1	.1											19		19		15 12		
57	.1	.8	2.0	.3	.1													29		29		29 18		
55	.1	1.4	3.7	1.8		.6												54		54		31 14		
53	.8	2.5	3.1	1.6	1.4	.1												68		68		44 30		
51	.4	1.8	3.5	3.1	2.1	.1												79		79		48 49		
49	.3	2.0	2.7	2.0	2.3													65		65		62 44		
47		3.0	2.7	2.1	2.3													71		72		49 44		
45		1.4	4.0	2.5	1.6													67		67		78 44		
43	.1	1.0	3.4	2.4	1.1													57		57		58 45		
41	.3	.7	3.0	1.4	.3													40		40		75 47		
39	.3	.6	1.4	.7														21		21		66 51		
37	.1	.3	1.7	1.0	.3													24		24		44 48		
35		.3	1.4	.7	.3													19		19		30 56		
33		.3	.4	.6														9		9		21 42		
31				.4														3		3		10 54		
29																					10	24		
27																					9	33		
25																						11		
23																						14		
21																						2		
19																						2		
17																						4		
15																						1		
13																						2		
11																						2		
TOTAL	2.8	18.6	35.6	24.9	15.0	1.7	.8	.6										708		709		708		
Element (X)	ΣX'		ΣX		X		C <sub>s</sub>		No. Obs.		Mean No. of Hours with Temperature							Total						
Ref. Hum.	394485		50511		71.3		4.100		708		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb	1823899		35511		50.1		7.998		708				.4	2.5			90							
Wet Bulb	1526473		32397		45.8		7.892		708				3.7				90							
Dew Point	1244197		28843		40.7		9.891		708				19.7				90							

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

73-80

YEARS

**APR**  
**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 MATUXENT RIVER NAS MD  
STATION STATION NAME

73-80

YEARS

APR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
87/ 87												.1						1	1						
86/ 85												.1	.1					2	2						
84/ 83						.1					.1	.1	.1					4	4						
82/ 81								.1	.3	.3								5	5						
80/ 79						.1	.3	.4	.1	.1	.4							11	11						
78/ 77							.3	.3	.8	.4								13	13						
76/ 75					.3	.1	.3		.1	.1								7	7						
74/ 73				.1	.3	.7	.8	.3	.1									17	17	1					
72/ 71				.6	.3	.4		.1	.4		.1							14	14						
70/ 69			.6	.4	.4	.4	.3	.6	.3	.3								23	24	1	1				
68/ 67			.4	1.4	.7	.7	.7	.8	.4	.3								39	39	10					
66/ 65		.4	.1	.4	.7	.6	.8	.3	1.4	.1								35	35	23					
64/ 63		.3	.3	.4	.8	1.0	.8	.8	1.1									40	40	29	12				
62/ 61		.7	.8	1.6	1.8	1.0	1.3	2.1	.3									68	68	31	10				
60/ 59		.4	1.0	1.3	1.3	1.1	2.7	1.0										62	62	25	22				
58/ 57	.1	.6	1.0	1.4	2.1	2.4	1.4	.8	.1									71	71	31	21				
56/ 55		1.6	1.0	1.0	1.1	2.0	1.7	.1										60	60	45	27				
54/ 53	.3	1.0	1.3	.6	2.1	2.1	.7	.1										58	58	65	26				
52/ 51		.8	1.8	.1	2.1	1.8	.7											53	53	58	48				
50/ 49		.3	.3	.3	1.8	2.0	.4											36	36	79	35				
48/ 47		.3	.6	.7	.8	.7	.1											23	23	82	40				
46/ 45		1.1	.3	1.0	1.1	.3	.1											28	28	50	46				
44/ 43		.1	.3	1.0	.7	.3	.1											18	18	54	35				
42/ 41	.4		.3	.1	.3	.4												9	9	46	40				
40/ 39				.6	.6													8	8	33	38				
38/ 37				.3														2	2	16	34				
36/ 35																				11	46				
34/ 33																				9	53				
32/ 31																				8	56				
30/ 29																					32				
28/ 27																					28				
26/ 25																					20				
24/ 23																					12				
22/ 21																					10				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

**73-80**

YEARS

**APR**  
**MON 14**

PAGE 2 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
14																						3
17																						7
15																						3
11																						1
9																						1
TOTAL	.8	1.6	4.8	13.3	19.5	18.4	13.7	8.1	5.7	2.0	.8	.3							707	708	707	



## PSYCHROMETRIC SUMMARY

**APR**  
**MONTH**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
87													.3					2	2						
87											.3		.1					3	3						
85											.6		.1	.1				6	6						
83									.3	.1	.1	.8						10	10						
81								.4	.7	.4	.1	.4	.1					16	16						
79							.3	.3	.8	.1								11	11						
77						.1	.3	.1	.8	.1	.1							12	12						
75					.1	.3	.4	.4	.3									11	11						
73					.3	.4	.7	.1	.6	.4	.3							20	20						
71				.7	.3	.6	.1	.4	.1	.6	.1							21	21						
69			.7	.4	.1	.3	.4	.3	.3	.8	.3							26	26	3					
67			.6	.6	1.5	.6	.8	1.4	.8	1.5								56	56	15					
65		.3	.6	.8	.7	.7	1.0	1.3	2.0	.3								54	54	29					
63		.4	.7	.3	2.3	.6	.6	1.3	2.0									57	57	29 11					
61		.1	.4	.8	.8	.8	2.1	1.7	1.0									56	56	35 13					
59		.8	.6	1.3	1.1	1.8	1.5	1.7	.3									65	65	38 13					
57		.8	.4	.6	1.1	2.5	1.0	1.1	.1									55	55	38 32					
55	.1	.6	.3	1.1	1.0	2.1	2.5	.6										59	59	49 38					
53	.3	1.1	.4	.4	.8	1.3	1.1	.7										44	44	52 32					
51		.6	.6	.3	.8	2.0	1.3	.7										44	44	75 24					
49		.3	.1	.8	1.5	1.3	.6											33	33	79 49					
47		.1	.3		1.1	.4	.3											16	16	63 27					
45		.8	.3	.1	.6	.3	.1											16	16	58 31					
43	.1	.3	.1	.6	.4	.4												14	14	47 38					
41			.3		.1													3	3	47 43					
39																				31 44					
37																			11	37					
35																			9	39					
33																			2	48					
31																				54					
29																				52					
27																				32					
25																				15					
23																				4					
Element (X)	Σ X'		Σ X																						

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

**APR**  
**MONTH**

PAGE 2 ~~1200-1400~~  
HOURS (10-11)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
21																					8			
19																					12			
17																					11			
15																					3			
TOTAL	.6	6.3	6.3	8.9	14.9	16.5	15.2	12.5	10.1	5.1	1.4	1.3	.7	.1					710	710	710			

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

HOURS (L, S, T)

[illegible]

## PSYCHROMETRIC SUMMARY

73-80

APR 1978

PAGE 4 1200-1720

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
70/ 19																																							
18/ 17																																							
10/ 15																																							
10/ 11																																							
10/ 9																																							
TOTAL	6.8	7.9	9.5	15.9	14.0	17.0	12.5	6.7	5.9	2.0	0.7	1.0	0.1					706		706																			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

STATION NO. PATUXENT RIVER NAS MD  
STATION NAME

73-80

YEARS

APR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point		
47/ 53																			.1	.1													3	3			
47/ 51																	.4					.3	.1										6	6			
47/ 49															.1			.1				.1	.1										4	4			
47/ 47															.1					.1													2	2			
46/ 45													.3			.3		.1															8	8			
46/ 43						.1						.9	.5		.1																		10	10			
46/ 41							.1			.1	.1	.5		.1				.1															6	6			
46/ 39					.1	.4	.6	.4	.3							.1	.1																15	15			
46/ 37				.7	.6	.6	.4	.6						.4	.3	.1																	26	26	1		
46/ 35			.7	.3	1.0	.6	.4	.4	.4	.4	.4			.4	.4																		30	30	8		
46/ 33			.4	.5	.4	1.0	.7	.7	.6	.5	.5	.1						.1															37	37	25	8	
46/ 31	.1	.6	.4	.7	1.0	1.4	1.3			.9	.4																						48	48	28	14	
46/ 29	.1	1.4	1.4	.9	.9	1.9	1.6			.4	.1																						61	62	27	5	
46/ 27		.7	2.0	.6	2.2	2.2	2.7	.4																									75	76	38	21	
46/ 25	.1	.1	2.9	1.2	.7	2.7	1.2	.1																									63	63	42	32	
46/ 23	.3	.6	1.9	1.6	2.7	3.7	.9																										81	82	41	24	
46/ 21		1.2	1.5	2.7	2.5	1.5	.6																										65	65	61	34	
46/ 19		.7	1.6	1.5	1.4	1.2	.7																										51	51	69	54	
46/ 17		.6	.6	1.5	1.9	.9		.1																									37	37	69	30	
46/ 15		.3	1.3	1.3	.4	.9	.4																										32	32	98	33	
46/ 13		.6	1.0	.3	.3	.4	.1																										19	19	57	31	
46/ 11			.7		.4																												8	8	57	44	
46/ 9			.5		.4																												5	5	33	56	
46/ 7				.3																													2	2	14	55	
46/ 5					.3																															12	48
46/ 3																																	1	1	13	60	
46/ 1																																			2		41
46/ -1																																					41
46/ -3																																					13
46/ -5																																					10
46/ -7																																					6
46/ -9																																					14
46/ -11																																					10
46/ -13																																					2
Element (X)	Σ H <sup>1</sup>			Σ H			Σ			Σ <sub>n</sub>			No. Obs.			Mean No. of Hours with Temperature											Total										
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) PREPARE REMARKS SERVICE OF THE HOUR ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

**APR**  
**MONTH**

PAGE 2 ~~1800-2000~~  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1. / 15																						4													
1. / 15																						2													
1. / 11																						1													
1. / 9																						2													
TOTAL	.7	8.5	16.8	14.7	18.7	18.7	12.8	4.3	2.6	1.0	.3	.4	.4					698			695														
																		695			695														

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

13-80

YEARS

APR  
MONTH

PAGE 2

2100-2500  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

724.40	PATUXENT RIVER NAS MD
STATION	STATION NAME

73-80

YEARS

APR  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
17/ 14					.1													1	1						
16/ 75				.1	.3	.4	.1											7	7						
14/ 73			.7	.7	.4	.8												19	19						
12/ 71		.1	1.0	.3	.3	.1	.1											14	14	3					
70/ 69		1.1	1.8	.7	.4	.6												33	33	12	3				
67/ 67	.7	.7	3.6	2.2	.3	.1	.3											57	57	25	21				
67/ 65	1.5	3.3	3.0	1.1	1.8	.6	.4											85	85	46	28				
47/ 63	1.2	2.3	1.5	2.2	1.4	.1	.3	.4										69	69	74	35				
27/ 61	2.2	2.8	2.5	1.1	1.7	.6	.4											81	81	70	72				
7/ 59	1.5	2.3	2.6	.8	1.0	1.1	.1											69	69	62	72				
57/ 57	1.9	3.7	2.1	1.0	.7	.1												69	69	87	59				
57/ 55	1.2	1.8	1.9	1.1	1.2	.3												55	55	71	64				
47/ 53	.6	1.9	1.8	1.9	.1	.5												48	49	44	58				
27/ 51	.1	2.2	2.6	.8	1.4	.1	.1											54	54	61	43				
57/ 49	1.0	1.4	.6	.3	.4	.3												28	28	65	61				
47/ 47	.1	.6	1.0	.8	.1													19	19	42	40				
47/ 45		.3	.8	.4	.1													12	12	13	38				
47/ 43		.3		.1	.1													4	4	24	32				
27/ 41				.4														3	3	16	28				
47/ 39																				7	22				
37/ 37																				5	11				
37/ 35																					16				
34/ 33																					11				
27/ 31																					3				
50/ 29																					4				
20/ 27																					2				
20/ 25																					3				
24/ 23																					1				
TOTAL	12.1	24.8	27.4	16.1	11.8	5.5	1.9	.4										727	728	727	727				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	4628446		56948		78.315		191		727		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	2662370		43732		60.1		6.971		727				16.7	5.4			93								
Wet Bulb	2331629		40847		56.2		7.101		727				5.1				93								
Dew Point	2090964		38444		52.9		8.941		727			1.7	3.1				93								

## PSYCHROMETRIC SUMMARY

724040      PATUXENT RIVER NAS MD  
STATION      STATION NAME

73-80

YEARS

MAY  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

MAY  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
71/77				.1	.3													3	3					
70/75			.1	.8		.4	.1											11	11					
74/73	.1			.7	1.3	.6	.4											22	22	1	1			
72/71		.4	2.2	.8	1.7	.3												39	39	7				
71/69	.3	1.7	3.3	1.1	.7	.4	.3											56	56	20	11			
67/67	.4	1.0	1.3	1.7	.6	.7		.1										41	41	42	27			
66/65	2.1	3.8	2.1	2.1	1.5	1.0												90	90	59	51			
64/63	.6	3.1	2.1	1.7	1.0	.7	.3											67	67	66	39			
62/61	2.4	2.4	2.1	1.5	2.1	.4	.1	.1										78	78	79	70			
60/59	1.7	1.9	2.5	1.1	1.3	1.0	.1											69	69	65	64			
58/57	1.1	1.8	1.4	.7	1.1	.6	.3											50	50	73	61			
56/55	1.4	2.6	1.8	1.4	.8	.3	.1											61	61	61	63			
54/53	1.3	.7	1.1	1.1	.7	.7	.1											41	41	57	55			
52/51	1.3	1.0	1.1	.7	.6	.6	.1											38	38	46	49			
50/49	.6	1.1	.4	.6	.7	.6												28	28	46	36			
48/47	.1		.6	.8	.1	.1												13	13	30	41			
46/45	.1	.1	.1	.4	.3													8	8	22	24			
44/43				.1	.1													2	2	17	32			
42/41				.3														2	2	13	15			
40/39				.1														1	1	9	21			
38/37																				5	9			
36/35																				2	9			
34/33																						17		
32/31																						8		
30/29																						4		
28/27																						6		
26/25																						5		
24/23																						1		
22/21																						1		
TOTAL	13.3	21.5	22.9	18.2	14.0	8.1	1.7	.3										720	720	720	720			
																						720	720	
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	4443836		55664		77.3		16.273		720		10 F		132 F		22.2		4.7		9.0		.1		93	
Dry Bulb	2148066		44182		61.4		7.163		720														93	
Wet Bulb	2398549		41201		57.2		7.540		720														93	
Dew Point	2144436		38656		53.7		9.799		720				3.2		5.0		.1						93	

USAFETAC FORM 0-26-5 (OL A) REVERSED MIRROR IMAGES OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724.000 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80

YEARS

MAY  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31					Dry Bulb	Wet Bulb	Dew Point
6/ 85							.1	.3													3	3		
4/ 83						.3		.1		.1											14	14		
7/ 81					.1	.7	.3	.5	.1			.1									14	14		
7/ 79				.1	1.4	.7	1.8	.2	.1			.1									14	14		
7/ 77			.1	1.0	1.6	1.1	1.0	.3		.3											39	39		
16/ 75		.1	.3	1.4	.8	1.9	.4	.3	.4												41	41	1	
14/ 73		.1	1.1	2.0	1.2	1.4	.7	.5	.3	.4											57	57	8	2
14/ 71	.1	.7	1.6	1.1	1.6	.5	.8	.7	.1	.1											55	55	35	3
10/ 69	.5	.5	1.1	1.5	3.0	1.1	1.9	.1	.4												71	71	49	20
6/ 67	.5	1.0	2.3	1.4	1.4	1.5	1.0	.7	.4												74	74	72	45
6/ 65		2.0	1.1	2.7	1.1	1.5	.7	1.1	.1												76	76	57	45
14/ 63	.8	.1	1.0	.5	.8	2.0	.4	.8													48	48	71	53
2/ 61	1.2	1.0	1.9	.8	1.2	1.0	.5	.4	.1												60	60	68	65
1/ 59	.4	.8	1.0	1.1	.4	1.0	.5	.3													40	40	79	52
5/ 57	.8		.4	1.0	.8	1.6	.4														37	37	58	72
5/ 55	.5	.8	.4	.1	.5	.8	.1														25	25	45	55
14/ 53	.7	.5	.5	.3	.3	.7	.4														25	25	63	37
12/ 51	.4	.7	.4		.5	.3	.3														19	19	31	37
5/ 49	.1	.4			.1	.5															9	9	29	38
4/ 47					.3																2	2	34	43
4/ 45																							10	36
4/ 43																							11	20
12/ 41																							6	15
4/ 39																							6	20
3/ 37																								21
11/ 35																								13
3/ 33																								18
12/ 31																								8
3/ 29																								5
25/ 27																								7
21/ 25																								1
25/ 23																								2
TOTAL	6.0	8.6	15.2	19.0	17.2	18.6	11.3	6.7	2.2	1.0		.3									733	733	733	733
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3398216		48090		65.6		18.226		733		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 88 F		Σ 93 F		Total	
Dry Bulb	3331307		49075		67.0		7.901		733						49.7		24.6		5.1				93	
Wet Bulb	2660837		43815		59.8		7.557		733						20.9		1.1						93	
Dew Point	2222493		39649		54.1		10.311		733				2.9		8.9		.3						93	

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72440 PATUXENT RIVER NAS MD

73-80

YEARS

MAY  
MONTH

PAGE 1 1200-1800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point	
84									.3									2	2			
87								.5										3	3			
85								.4	.3	.3					.1			8	8			
83				.1	.1	.1	.5	.1	1.0	.1	.1	.1						18	18			
81					.7	.7	.8	1.4	.7	.1	.1							33	33			
79				.3	.7	1.6	1.6	1.2	.3	.1	.4	.1						47	47			
77				1.1	2.1	1.1	1.2	.8	.5	.4	.1							54	54	1		
75			.3	.5	1.4	1.4	.3	.7	.7	.5	.1							43	43	1		
73			1.2	1.4	.5	1.4	1.0	1.1	1.0	.1	.1							57	58	21		
71		.4	2.2	2.1	1.9	1.1	.8	1.0	.5	.4								76	76	25		
69	.1	.5	1.9	.7	1.1	1.4	1.8	.4	.7	.7								68	68	65		
67	.3	1.1	1.0	2.6	1.6	.7	1.4	1.0	.1	.1								72	73	85		
65	.3	.5	1.1	.7	1.0	1.0	.7	.7	.7	.1								49	49	65		
63	.1	.8	.7	1.1	.7	1.2	.4	.8	.4	.1								47	47	54		
61	.4	1.4	.7	.7	1.0	1.2	.7	.3										46	46	86		
59	.1	.4	.7	.7	.4	.7	1.2	.1										32	32	65		
57	.7	.4	1.0	.1		.8	.5											26	26	57		
55	.3	1.1	.4			.8	.7											24	24	47		
53	.5	.1	.3	.4		.5	.1											15	15	51		
51	.3		.1			.1												4	4	39		
49		.1				.4												4	5	21		
47		.1																1	1	23		
45																				13		
43																				6		
41																				3		
39																				1		
37																						
35																						
33																						
31																						
29																						
27																						
25																						
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

[illegible]



## PSYCHROMETRIC SUMMARY

**73-80**

YEARS

MAY  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
89									.4									3	3						
88							.1	.3	.4		.3	.3						11	11						
87						.1	.5	.5	.1				.3					12	12						
86				.1	.4	.3	.7	.7	1.0	.3			.1					26	26						
85				.1	1.2	1.4	2.3	.7	.4	.7		.4						53	53						
84				.4	.7	1.4	1.5	.4	.5	.1		.1						38	38						
83			.4	1.1	1.5	1.0	1.2	.5	.4	.1	.5							50	50	3					
82		.4	1.0	2.3	1.4	1.5		1.2	1.8	.3	.3							74	74	11					
81		.5	3.0	1.4	1.4	1.2	1.8	1.1	.3	.4								81	81	36					
80		.4	.5	.8	1.4	.8	1.6	1.2	.3	.1								53	53	51					
79	.1	1.0	1.5	1.0	1.5	1.1	1.8	1.1	.3	.1								69	69	91					
78	.1	.7	1.0	1.8	1.2	1.1	1.0	.4	.4	.3								58	58	60					
77		1.6	.8	.7	.8	.7	1.0	.7	.4									49	49	56					
76	.5	.5	.7	.8	1.1	.7	1.1	.7										45	45	69					
75	1.1	.3	.3	1.2	.3	.5	.4											30	30	79					
74	.3	1.2	.3	.1	.3	.5	.8	.4										29	29	66					
73	.3	.5	.3		.1	.7	.7	.3										21	21	58					
72	1.0	.4	.4	.3														15	15	52					
71	.1	.3	.1	.1		.1												6	6	27					
70	.1						.1											2	2	29					
69		.4				.1												4	4	20					
68																				10					
67																				6					
66																				14					
65																				30					
64																				1					
63																				21					
62																				17					
61																				9					
60																				8					
59																				5					
58																				3					
57																				4					
56																				2					
55																				1					

## PSYCHROMETRIC SUMMARY

YEARS

MAY

PAGE 2 1500-1700  
HOURS [L. S. T.]

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 85							.1											1	1																
4 / 82							.1			.1								2	2																
2 / 91						.3	.3	.1	.1	.3								8	8																
1 / 79				.6		.8		.7	.1			.1						17	17																
1 / 77			.1	.1	.7	.6	.4	.4	.4	.1								21	21																
16 / 75			.4	1.2	.6	1.2	.7	.4	.1	.1	.1							36	36	1															
14 / 73		.1	.4	1.5	1.7	1.1	.6	.1	.1	.1								37	37	7	1														
12 / 71		.6	3.2	1.5	1.1	.7	.6	.8	.3	.1								64	64	13	3														
11 / 69		1.1	1.9	2.1	1.5	.4	1.4	.7	.1		.1							68	68	30	11														
8 / 67		.4	.7	1.8	1.8	1.1	1.5	.4	.4	.1								60	60	57	31														
6 / 65		.7	1.8	1.7	1.4	1.5	1.0	1.8	.4	.1								75	75	66	50														
4 / 63	1.1	1.2	1.4	2.2	1.2	1.4	.6	.3	.1									69	69	71	40														
2 / 61	1.2	2.3	1.1	1.1	3.0	.6	.8	.3	.1									77	77	75	67														
1 / 59	1.0	1.2	1.5	1.4	1.2	.8	.7											57	57	63	57														
1 / 57	.3	1.7	.1	1.5	1.7	.1	.7											44	44	74	59														
5 / 55	.3	.7	1.2	.3	.8	1.5	.3											37	37	58	50														
4 / 53	.1	.3	.4	.6	.1	.4	.1	.1										16	16	66	44														
2 / 51	.3	.3	.6	.6	.6	.1	.1											18	18	41	43														
5 / 49	.3	.7	.3	.1	.1													11	11	42	45														
4 / 47		.3			.1	.1												4	4	23	51														
4 / 45					.1													1	1	22	41														
4 / 43			.1															1	1	6	31														
4 / 41																				4	23														
4 / 39																				3	19														
3 / 37																				2	13														
1 / 35																					16														
3 / 33																					13														
2 / 31																					6														
1 / 29																					4														
2 / 27																					3														
2 / 21																					2														
2 / 19																					1														
TOTAL	5.7	15.0	16.2	18.1																															





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724447 STATION PATUXENT RIVER NAS MD  
STATION NAME

73-80 YEARS

MAY MONTH

PAGE 2

ALL HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dry Bulb	Wet B. b Dew Point																	
21																																				5
19																																				2
TAL	216	419	815	715	910	67	4	1	2	2	1	0	3	2	1																				5814	5814
																																			5814	5814

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	511876.31	411849	10.818	610	5814	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	24356660	373268	64.1	8.424	5814			266.3	122.7	26.2		7
Wet Bulb	20070539	338789	58.3	7.522	5814			111.7	7.4			7
Dew Point	17210064	311212	53.5	9.740	5814		20.2	45.8	.9			7

## PSYCHROMETRIC SUM

73-40

YEARS

PAGE 1      000  
HOUR

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb													
47/ 62						.1												1	1														
47/ 61				.1	.1	.1												3	3														
47/ 60			.4	.4	.1	.1												8	8														
47/ 59			.8	.7	1.3	.7												25	25														
46/ 75	.4	1.1	1.1	3.4	1.0													50	50														
46/ 73		2.7	1.8	3.1	.7													59	60														
46/ 71	.1	5.1	5.5	2.7	.7													100	100														
46/ 69	1.0	4.4	4.5	2.4	1.4	.4												100	100														
46/ 67	2.0	3.7	3.9	1.3	1.0	.3	.1											87	87	11													
46/ 65	.4	4.4	3.9	3.1	1.0	.3												93	93														
46/ 63		1.3	2.1	2.1	.4	.3	.1											45	45														
46/ 61		1.5	3.5	1.4	.6	.4												53	53														
46/ 59		1.0	1.0	.6	1.0	.1	.1											27	27														
46/ 57	.1	1.0	1.1	2.1	.3	.3	.1											36	36														
46/ 55			1.0	1.1	.8													21	21														
46/ 53			.1	.1														2	2														
46/ 51																																	
46/ 49																																	
46/ 47																																	
46/ 45																																	
46/ 43																																	
46/ 41																																	
46/ 39																																	
46/ 37																																	
46/ 35																																	
46/ 33																																	
TOTAL	4.126	131.0	24.6	10.4	3.2	.6												710	711	71													

## PSYCHROMETRIC SUMMARY

724 40	PATUXENT RIVER NAS MD
STATION	STATION NAME

73-80

YEARS

JUN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

73-80

YEARS

JUN  
MONTH

PAGE 1 0600-0800  
HOURS L. S. T.1

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

**JULY**  
**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. - T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
1 / 41								.1										1	1												
2 / 49								.1		.1								2	2												
3 / 47					.1	.1	.3											4	4												
4 / 45				.1	.3	.4	.6	.6		.1								15	15												
5 / 43					.6	2.1	1.1	.4	.3									32	32												
6 / 41			.3	1.0	2.7	3.2	1.8	.4	.4									70	70												
7 / 39		.1	.1	2.5	4.5	5.9	1.0	.4	.6									94	94	2											
8 / 37		.6	1.3	5.2	3.4	1.8	.8	.7	.6	.3								90	90	11	1										
9 / 35		.1	2.8	4.5	2.1	2.9	1.5	.8	.7	.3	.1							114	114	28	6										
10 / 33		.1	2.7	2.0	2.2	1.8	.6	.7	.3									75	75	86	22										
11 / 31	.3	1.0	1.1	1.4	1.3	1.7	.8	.4										57	57	136	53										
12 / 29	.1	.4	1.0	2.2	.6	1.7	1.0	.6										54	54	96	97										
13 / 27		1.0	.8	.7	.8	.7	1.0	.1	.1									38	38	66	96										
14 / 25	.1	.6	.3	.1	1.1	.6	.4	.3										25	25	66	75										
15 / 23	.3	.4	.7	.3	.8	.7		.1										24	24	69	65										
16 / 21	.3	.4	.3	.1	.3	.1	.1											12	12	40	66										
17 / 19		.3	.1	.1														4	4	47	40										
18 / 17			.1															1	1	30	33										
19 / 15																				23	34										
20 / 13																				7	28										
21 / 11																				4	29										
22 / 9																				1	22										
23 / 7																					14										
24 / 5																					17										
25 / 3																					6										
26 / 1																					3										
27 / 0																					2										
28 / 0																					2										
29 / 0																					1										
TOTAL	1.3	5.1	11.7	18.4	20.8	21.9	11.1	5.9	2.9	.8	.1							712	712	712											

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

YEARS

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
6/ 95										.3		.1						3		3				
5/ 93										.3								3		3				
4/ 91										.3								2		2				
3/ 89						.4		.6										7		7				
8/ 87					.5	.7	1.8	.6	.1	.1								26		26				
6/ 85					.6	.8	1.4	2.0	1.0	.7	.1							44		44				
4/ 83		.3		.1	.8	.7	3.0	1.0	1.0	.3								51		51				
7/ 81			.1	.8	2.5	2.7	2.3	1.4	.6	.4	.7	.1						83		83	2			
7/ 79			.5	1.7	4.0	5.0	1.8	1.8	.8	1.1			.1					104		104	6			
7/ 77			.4	.8	3.5	2.0	1.3	2.1	.8	1.6	.1							90		90	17			
6/ 75		.1	1.6	1.6	1.1	1.4	1.4	2.5	2.4	.6	.1							91		91	46			
7/ 73		.4	2.4	.6	1.1	.8	1.3	1.0	.6									58		58	87			
7/ 71		.7	1.8	.4	1.0	.7	1.4	1.1	.4	.3								56		56	115			
6/ 69	.1	.4	.6	.7	1.4	.4	.3	.4	.6									35		35	86			
6/ 67		.4	.5	.4	.1	.1		.4	.5									15		15	74			
6/ 65		.6	.7	.6		.3	.4											18		18	51			
4/ 63		.4		.1														4		4	61			
2/ 61	.3	.6	.1	.3	.1													10		10	76			
7/ 59			.6															4		4	34			
5/ 57																					23			
5/ 55	.1	.3																3		3	16			
4/ 53																					12			
2/ 51																					1			
5/ 49																								
4/ 47																								
4/ 45																								
4/ 43																								
7/ 41																								
4/ 39																								
3/ 37																								
3/ 35																								
2/ 33																								
TOTAL	.0	4.7	9.3	10.9	15.1	13.0	17.3	13.7	9.8	4.2	1.0	.3	.1					707		707	707			
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	2167753		42777		60.5		15.947		707		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	4264143		54729		77.4		6.248		707						85.0		71.5		34.2		.8		90	
Wet Bulb	3265641		47871		67.7		5.866		707						55.1		20.1		.8				90	
Dew Point	2750183		43691		61.8		8.431		707				.1		33.9		4.6		.3				90	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

JUN  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
91									.1									1	1															
89						.1		.3										3	3															
87							.5											2	2															
85					.1	.6	.7		.3	.1								13	13															
83				.1	.3	.7	.9	.3	.3									18	18															
81			.3	.3	1.6	1.7	1.0	.6	.1		.1							40	40															
79			.9	1.6	2.3	2.1	1.0	.9										61	61	2														
77			1.7	2.5	3.7	1.4	1.3	.4	.4	.1								80	80	4														
75		.1	2.3	4.3	2.4	2.0	1.3	1.1	.3	.1								98	98	27	9													
73		1.6	3.1	2.8	1.4	1.0	1.7	1.0	.7									94	94	52	10													
71	.3	1.4	3.3	1.1	2.0	1.6	1.6	1.1	.1									88	88	97	44													
69	.1	1.6	1.6	1.6	2.0	1.6	.7	.7	.3									71	71	119	84													
67	.1	.7	.7	1.4	.9	1.7	.7	.3										46	46	73	99													
65		1.1	1.3	1.0	.4	.7	.3	.6										38	38	65	68													
63		.4	1.6	.1	.3	.7	.1	.3										25	25	54	50													
61	.3	.1		.4	.1		.3											9	9	74	53													
59	.1	.3	.6	.3		.4												12	12	51	58													
57			.3		.1													3	3	34	45													
55		.3	.1															3	3	23	37													
53																				19	29													
51																				5	27													
49																				6	32													
47																					18													
45																					18													
43																					7													
41																					8													
39																					8													
37																					5													
TOTAL	1.0	7.7	17.6	17.3	17.6	16.3	11.8	7.5	2.7	.4	.1							705	705		705													

## PSYCHROMETRIC SUMMARY

124.140	PAIUXENI RIVER NAS MU
STATION	STATION NAME

13-80

YEARS

JUN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

JUN  
MONTH

**ALL**  
**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

73-80

YEARS

**JUN**  
**MON 14**

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.1	14.4	19.8	19.6	15.5	10.1	8.2	5.4	3.0	1.2	.2	.0	.0						5656	5656	5656
																			5656	5656	



## PSYCHROMETRIC SUMMARY

73-80

YEARS

JUL  
MONTH

PAGE 1

0000-0200  
HOURS (L, S, T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124 MU PATUXENT RIVER NAS MD  
STATION

15-80

YEARS

JUL  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 43				.1														1		1															
47 41				.4														3		3															
47 39			1.2	.4	.3	.3												19		19															
47 37	.5	1.4	2.6	2.3	1.8													61		61	7	3													
46 35	.8	5.0	5.0	2.9	.7	.1												107		107	38	22													
47 73	1.2	8.5	4.1	1.5	1.1	.1												121		121	94	64													
71 71	1.2	8.2	5.5	2.5	1.2			.3										138		138	125	107													
71 69	2.3	5.2	2.7	.7	.4	.4	.1	.1										88		88	145	129													
67 67	1.2	3.1	4.5	1.6	.7	.5	.3											88		88	80	103													
67 65	.1	2.6	1.8	1.8	.5	.4												53		53	76	68													
65 65	.8	1.2	.8	.8	.4													30		30	70	66													
61 61	.4	.1	.5	.7	.1													14		14	32	59													
59 59		.7	.1															6		6	28	26													
57 57		.4	.1															4		4	22	25													
55 55																					15	22													
55 55																					1	15													
51 51																						9													
51 49																						9													
47 47																						4													
47 45																						1													
47 43																						1													
TOTAL	0.536	429.1	118.1	1.2	1.9	.4	.4														733	733													
																		733				733													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5343922	62062	84.711	1.041	733	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	3745040	52292	71.3	4.458	733			79.4	39.6	1.6		93
Wet Bulb	3423560	49966	68.2	4.897	733			62.0	17.6			93
Dew Point	3253684	48634	66.3	6.057	733			54.3	11.3			93

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





AD-A116 097

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
PATUXENT RIVER NAS, MARYLAND. REVISED UNIFORM SUMMARY OF SURFAC--ETC(11)  
MAY 82

UNCLASSIFIED

USAFETAC/DS-82/029

SBI-AD-E850 174

NL

5 5

END  
DATE  
8 82  
DIE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

YEARS

JUL  
MONTH

PAGE 1 1200-1900  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point					
102/ 101												.1							1	1					
100/ 99											.1								1	1					
98/ 97									.1	.1	.1								3	3					
96/ 95									.3	.6									6	6					
94/ 93								.4	.6	.1			.3						10	10					
92/ 91						.3	.8	.7	.8	.1									20	20					
90/ 89					.1	.6	1.8	3.0	1.4	.3	.3								54	54					
88/ 87			.1	.4	1.4	2.6	2.1	1.8	.3										63	63					
86/ 85				.8	3.3	5.0	2.5	2.9	1.0	.1		.1							114	114	1				
84/ 83		.3	.1	1.0	3.7	3.7	2.3	1.7	1.0	.4	.4								106	106	3				
82/ 81			.6	1.7	3.7	2.8	1.8	1.1	1.5		.3								97	97	20				
80/ 79		.3	1.7	2.9	1.8	1.8	1.5	.8	.5	.1									91	91	45				
78/ 77		.3	1.1	1.0	1.2	1.2	1.9	1.5	.4	.1									64	64	88				
76/ 75		.7	1.1	1.1	.8	.7	1.0	.7	.4										47	47	120				
74/ 73		.7	.3	.6		.8	.3	.8	.1										26	26	148				
72/ 71		.4	.6		.1	.3													10	10	79				
70/ 69		.4	.6	.4															10	10	66				
68/ 67	.1			.4															4	4	59				
66/ 65																					43				
64/ 63																					35				
62/ 61																					14				
60/ 59																					8				
58/ 57																									
56/ 55																									
54/ 53																									
52/ 51																									
50/ 49																									
48/ 47																									
46/ 45																									
TOTAL	.1	5.0	6.1	9.8	16.2	19.7	16.6	10.6	8.5	1.7	1.2	.4							727	727	727				
																						727		727	

FORM 10-64 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724080 PATUXENT RIVER NAS MD

73-80

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
104/ 103											.1									1	1			
100/ 99											.1	.1								2	2			
08/ 97										.1	.3	.3								5	6			
06/ 95									.1	.3	.1									6	8			
04/ 93							.1	.3	.7	.1										9	10			
02/ 91							1.0	.8	1.6	.8										31	31			
00/ 89					.4	.5	1.1	1.5	.7	.4										34	34			
08/ 87				.5	1.2	3.3	1.9	1.4	.4											69	69			
06/ 85				.7	2.5	4.5	2.9	2.5	.7	.8	.4									109	110			
04/ 83			.1	1.0	3.3	3.6	1.9	2.1	1.6	.1	.1									101	101	2		
02/ 81		.3	1.2	2.3	3.4	2.3	1.2	1.2	1.8	.7	.4									109	109	15		
00/ 79			1.5	3.2	1.8	1.9	1.9	1.9	1.0	.9	.1									96	96	86	7	
20/ 77		.7	1.4	1.6	1.1	1.5	1.4	.7	1.2	.1										71	71	95	19	
18/ 75	.1	.4	.9	1.5	.5	.7	1.2	.7	.7											49	49	123	63	
16/ 73		.5	.8	.1	.3	.3	.4	.7												23	23	134	92	
14/ 71		.8	.1																	7	7	87	96	
12/ 69		.5	.3																	6	6	60	121	
10/ 67			.1	.7																6	6	55	78	
08/ 65				.1																1	1	51	48	
06/ 63																						30	96	
02/ 61																						27	31	
00/ 59																						3	31	
58/ 57																							30	
56/ 55																							27	
54/ 53																							13	
52/ 51																							23	
50/ 49																							10	
48/ 47																							2	
46/ 45																							1	
44/ 43																							1	
TOTAL	.1	3.3	6.9	11.0	14.0	10.1	5.5	3.5	2.0	9.1	1.6									720	731	720	720	
Element (X)	Σ H <sup>1</sup>		Σ H <sup>2</sup>		Σ H <sup>3</sup>		Σ H <sup>4</sup>		Σ H <sup>5</sup>		Σ H <sup>6</sup>		Σ H <sup>7</sup>		Σ H <sup>8</sup>		Σ H <sup>9</sup>		Σ H <sup>10</sup>		Σ H <sup>11</sup>		Σ H <sup>12</sup>	
Rel. Hum.	2889300		94700		61.9		14.071		720		10 F		13 F		67 F		72 F		60 F		93 F		Total	
Dry Bulb	999249		60323		82.5		8.985		731				92.9		90.5		65.4		2.9				93	
Wet Bulb	1837281		52731		72.4		8.953		720				78.8		53.0		3.9						93	
Dew Point	3329737		98963		67.3		7.899		720				59.8		23.1		.1						93	

FORM 0-36-5 (O. A.) GROUP REVISIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

21-00



PAGE 1 1000-2000  
1000-1000

[illegible]



## PSYCHROMETRIC SUMMARY

23.00

PAGE 1 ~~2100-2300~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Barometer			
40/ 81					.1													1	1					
40/ 82				.4		.1												9	9					
40/ 83			.4	.5	1.2	.4	.1											20	20					
42/ 81			.4	1.4	2.4	1.5	.3											47	47	1				
44/ 79		.8	2.9	3.7	2.0	1.1												77	77	6	1			
46/ 77		2.4	3.3	3.4	1.2	.1	.1											80	80	23	13			
48/ 75	.3	3.6	4.0	3.3	1.4	1.1	.4											120	120	70	33			
50/ 73	.3	4.4	5.7	4.4	1.7	.8	1.2											136	136	110	68			
52/ 71	.7	4.6	4.9	1.8	1.8	.8	.4											110	110	160	111			
54/ 69	.5	2.4	1.4	2.4	2.5	1.0												79	79	98	100			
56/ 67	.1	.7	1.1	1.4	.8	.8												36	36	93	85			
58/ 65			.1	.7	.7													11	11	83	78			
60/ 63	.3	.4	.3		.1													10	10	56	45			
62/ 61				.1														1	1	44	33			
64/ 59																				20	44			
66/ 57																				6	31			
68/ 55																				2	21			
70/ 53																					14			
72/ 51																					12			
74/ 49																					1			
TOTAL	2.32	9.72	7.02	3.65	6.9	7.8	2.6											732		732	732			

## PSYCHROMETRIC SUMMARY

**73-80**

**YEARS**

431  
432

PAGE 1

**ALL**

**ALL**  
**HOURS (L. S. T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
114/103											.0							1	1					
122/101											.0							1	1					
100/ 99											.0							3	3					
98/ 97											.0							8	9					
96/ 95									.1	.1	.0							14	14					
94/ 93							.1	.2	.1	.0		.0						25	26					
92/ 91						.1	.4	.2	.3	.1								61	61					
91/ 89					.1	.3	.5	.7	.3	.1	.0							122	122					
88/ 87			.0	.1	.5	1.0	.9	.5	.1	.0								161	161					
86/ 85		.0	.0	.4	1.1	1.7	.9	.8	.3	.1		.0						319	320					
84/ 83		.1	.2	.9	1.9	1.6	.9	.6	.4	.1	.1							392	392	7	3			
82/ 81		.6	.7	2.2	2.5	1.6	.9	.5	.5	.1	.1							529	529	44	2			
80/ 79		.3	1.9	3.0	2.1	1.4	.8	.6	.3	.1	.0							615	615	155	18			
78/ 77	.1	1.4	2.4	2.8	1.5	.8	.9	.5	.3	.1								637	638	359	98			
76/ 75	.2	2.9	3.6	2.5	1.3	.9	.9	.3	.2									755	755	705	356			
74/ 73	.5	3.5	3.1	2.1	1.0	.9	.6	.3	.1	.0								699	699	1018	629			
72/ 71	.6	3.4	3.0	1.1	.9	.5	.3	.1	.0									577	578	904	875			
70/ 69	.7	2.6	1.7	.8	.7	.4	.1	.1										374	374	779	980			
68/ 67	.4	1.0	1.5	.9	.5	.3	.0											266	266	574	677			
66/ 65	.1	.6	.6	.6	.3	.1	.0											136	138	456	501			
64/ 63	.2	.3	.4	.2	.1													72	72	371	413			
62/ 61	.1	.1	.1	.1	.0													26	26	241	295			
60/ 59		.1	.0															10	11	124	271			
58/ 57		.1	.0															4	4	61	242			
56/ 55																				27	167			
54/ 53																				1	103			
52/ 51																					90			
50/ 49																					56			
48/ 47																					17			
46/ 45																					9			
44/ 43																					5			
TOTAL	2.8	15.8	19.3	18.0	4.5	3.1	6.2	3.5																

2

**YEARS**

**73-80**

**ALBANY**

PAGE 1 0000-0200  
MEMO (L. S. T.)

0-26-S (OL A)

**USAFETAC**

2

**VERBODEN**

**72-40**

**ASB**  
**ANNALS**

**PAGE 1**

**0300-0500**  
HOURS (L. S. T.)

Temp. (F)	WET GULB TEMPERATURE DEPRESSION (F) .																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
84/ 83					.3													2	2				
86/ 81			.1	.3	.3	.1												6	6				
88/ 79		.4	1.0	.7	.1													16	17				
78/ 77		1.4	3.4	2.4	.1													56	56	8	4		
76/ 75		8.8	6.9	2.5	.8	.1												139	140	34	13		
74/ 73	2.8	10.5	8.5	2.2	1.5	.4												188	188	196	188		
72/ 71	2.5	6.7	4.8	.8	1.2	.1												118	118	166	142		
70/ 69	1.9	5.0	2.5	1.7		.1												78	78	131	159		
68/ 67	1.2	2.3	1.7	.4	.7	.3												51	51	67	91		
66/ 65	.6	2.1	1.2	.8	.1													39	36	60	50		
64/ 63	.7	1.4	.4	.3														20	20	37	54		
62/ 61		1.2	.4	.1	.1													14	14	31	39		
60/ 59	.1	.7	.6															10	10	16	30		
58/ 57		.1																1	1	12	23		
56/ 55																				6	16		
54/ 53																					2		
52/ 51																					7		
50/ 49																					1		
TOTAL	9.8	39.3	31.4	12.8	5.5	1.2												726	729	726	726		

Stations (N)	$\Sigma H^1$	$\Sigma H$	$\Sigma$	$\Sigma$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	9499193	62825	86.5	9.291	726	< 5 F	< 32 F	< 67 F	< 73 F	< 80 F	> 93 F	
Dry Bulb	3010702	92419	72.2	9.277	729			82.7	52.2	2.0		93
Wet Bulb	3000367	90353	69.4	9.482	726			71.6	24.1			93
Dew Point	3061836	97278	67.7	8.989	726			69.8	18.0			93

## PSYCHROMETRIC SUMMARY

724040      PATUXENT RIVER NAS MD  
STATION      STATION NAME

**73-80**

YEARS

**AUG**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

YEARS

**AUG**  
**MONTH**

PAGE 2      0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**73-AD**

YEARS

**Country**

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97											.3							2	2					
96/ 95									.3	.1	.1	.1						5	5					
94/ 93						.1	.4	.4	1.1	1.1	.1							24	24					
92/ 91					.3		1.5	1.0	1.9	1.0								81	81					
90/ 89					.7	1.5	1.9	2.9	1.0	.4								61	61					
88/ 87		.1			1.0	3.8	3.0	1.1	.3	.3								70	70					
86/ 85				.4	4.3	4.8	1.0	2.6	.5	.3								101	101					
84/ 83			.4	2.6	4.9	3.2	1.1	1.9	1.1		.4							118	118	5				
82/ 81			1.1	4.5	2.9	2.1	1.1	2.1	.4									103	103	19				
80/ 79	.3	1.8	1.5	1.6	2.1	.7	.5	.1										63	63	48				
78/ 77	.1	1.2	1.0	.5	1.9	.7	1.1	.3										50	50	156				
76/ 75		.3	1.1	1.1	1.4	.5												32	32	159				
74/ 73			.8		.3	1.2	.4											20	20	91				
72/ 71	.1	1.5	.1		.5	.4												20	20	71				
70/ 69	.7	.4	.1	.4	.3	.1												15	15	50				
68/ 67	.1	.1	.1															3	3	62				
66/ 65	.1																	1	1	29				
64/ 63		.3																2	2	26				
62/ 61	.1																	1	1	12				
60/ 59																				3				
58/ 57																				1				
56/ 55																								
54/ 53																								
52/ 51																								
50/ 49																								
TOTAL	.4	1.6	7.8	11.8	18.0	22.9	12.9	13.9	6.9	3.2	1.0							728		728				
										</														

## PSYCHROMETRIC SUMMARY

724040  
STATION

PAIUXENI RIVER NAS MD  
STATION NAME

**73-80**

**YEAR**

ALL  
MONTHS

PAGE 1 1500-1700  
MAY 1963 (1-9-71)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

**AUG**  
**MON**

PAGE 1 ~~1800-2000~~  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80

**YEARS**

AUG  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

YEARS

**AUG**  
**MONTH**

ALL  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

724 J40  
STATION

PATUXENT RIVER NAS MD  
STATION NAME

**73-80**

**YEARS**

**SEP**  
**MONTH**

PAGE 1

0000-0200  
191985 (1-8-7-1)

[illegible]

## PSYCHROMETRIC SUMMARY

**73-80**

**YEARS**

SEP  
MONTH

PAGE 1 0300-0500  
MAY 11 1964

## PSYCHROMETRIC SUMMARY

WZL

SEP

PAGE 1 0600-0800  
0000 (L. 1. 1.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
44/ 83					.1	.1	.1											3	3					
62/ 81						.1												1	1					
64/ 79	.4	.1		.4	.4													10	10	3	3			
76/ 77	.3	1.0	1.6	.7	.9													31	31	5	4			
76/ 75	.4	2.2	1.9	2.0	.1		.1											47	48	14	9			
74/ 73	1.2	2.2	2.9	2.0	.7	.3												68	68	26	25			
121/ 71	2.3	3.8	3.9	1.2	.7	.3												84	85	64	51			
121/ 69	2.1	2.1	5.3	1.4	.9	.1												92	93	88	75			
61/ 67	1.3	3.6	3.0	1.3	.6	.3												70	70	65	64			
66/ 65	1.9	5.2	2.9	2.5	.7	.3												93	93	83	85			
64/ 63	1.3	3.3	1.7	2.5	1.2	.4												72	72	78	69			
52/ 61	.7	2.2	1.6	1.0	.6													92	93	65	57			
61/ 59	.1	1.4	1.6	.9	.4													31	31	52	54			
50/ 57	.3	.9	1.2	.4	.4													22	22	46	47			
55/ 55		.7	.6	.6	.4													16	16	26	43			
54/ 53		.1	.7	.1	.1													8	9	19	29			
52/ 51			.3															5	5	11	27			
51/ 49				.1														1	1	14	10			
48/ 47				.1														1	1	2	13			
46/ 45																				4	14			
44/ 43																				2	2			
42/ 41																					5			
40/ 39																					2			
38/ 37																					5			
TOTAL	13.0	29.4	29.1	17.7	8.4	2.0	.3											693	698	693	693			



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124 194 PAQUAMI RIVER NAS MD  
STATION STATION NAME

73-80

YEARS

SEP  
MONTH

PAGE 1 1200-1800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
97											.1									1	1			
95									.1											1	1			
93							.1	.1												2	2			
91										.1	.1	.3								15	15			
89						.8	1.7	1.0	.7	.3	.1									33	33			
87			.3	.4	1.8	1.1	.7	1.0	.4											41	41			
85				1.0	2.8	1.0	.4	.8	.4											48	48			
83				.1	.4	1.8	2.1	1.1	1.8	.6										57	57	3		
81		.6	.4	.8	2.0	3.7	1.3	1.3	.1											78	78	11	2	
79	.3	.7	.6	1.7	2.7	1.3	3.3	1.1		.1										83	83	42	6	
77		.3	2.3	1.6	2.7	2.3	1.0	.6	.3	.6										83	89	52	29	
75	1.0	.3	1.1	3.3	1.4	1.7	.3	.1	.1											66	66	67	30	
73		.4	.3	.8	1.7	.7	1.6	2.3	.6											59	59	101	62	
71	.6	.3	1.1	.6	.7	1.6	1.1	.7	.3											49	50	59	74	
69		.4	1.0	1.1	.7	1.1	.6	.4												38	38	81	54	
67		.8	.1	.4	.8	.1	.6	.4												24	24	94	37	
65	.3	.6	.1	.4	.1	.1	.1													13	13	98	79	
63	.1	.1	.4			.1														6	6	51	64	
61	.3					.3														9	9	90	59	
59					.1	.3														3	3	26	52	
57																						19	39	
55																						9	48	
53																						3	26	
51																						5	18	
49																							8	
47																							13	
45																							6	
43																							10	
41																							8	
39	2.0	5.1	7.6	11.3	11.2	9.3	6.3	1.0	3.8	1.3	.7	.3								706	708	706	706	
TOTAL																								
Station (E)	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	S <sub>4</sub>	No. Obs.		Mean No. of Hours with Temperature																	
Ref. Hum.	2984872	44782	63.3	89.882	706		+ 6 F	+ 20 F	+ 67 F	+ 70 F	+ 80 F	+ 90 F												
Dry Bulb	4183813	54215	76.6	6.768	706					83.6	65.0	30.3												
Wet Bulb	2276666	47851	67.8	6.304	706					53.0	22.3	.6												
Dew Point	2813200	49176	62.6	8.320	706					22.3	6.3													



## PSYCHROMETRIC SUMMARY

VI 492

SEP  
1967

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
98 / 97										.1								1	1					
96 / 95									.1									1	1					
92 / 91								.1										1	1					
90 / 89						.1	.1	.6	.1	.1								8	8					
88 / 87					.1	.6	.6	.6	.6	.1								16	16					
86 / 85				.1	.7	2.1	.1	.6	.1		.3							30	30					
84 / 83				.6	2.3	1.4	.9	1.0	.7									47	47					
82 / 81			.6	.6	2.7	1.7	1.0	1.1	.9	.3								62	62	1				
80 / 79			1.6	1.9	2.3	4.3	.7	1.1	.6	.3								88	88	8				
78 / 77	.1	.7	.9	2.0	2.6	1.4	2.0	.6	.1	.1								81	81	28	5			
76 / 75	.1	.9	1.9	1.0	1.1	2.6	2.1	.6	.3	.6								77	78	59	24			
74 / 73	.1	.9	1.1	2.7	2.0	2.0	1.1	1.6	.1									81	81	68	37			
72 / 71	.3	.7	1.0	1.3	2.3	.7	2.1		.3	.1								62	62	89	63			
70 / 69	.1	.7	.6	1.1	.9	1.3	1.8	.6										50	50	81	73			
68 / 67	.3	.7	1.0	1.6	.6	1.1	.6	.7										45	45	72	52			
66 / 65	.6	.7	1.6	.6	.3	.6	.6											32	32	80	57			
64 / 63		.1	.6	.3														7	7	64	72			
62 / 61		.6	.1	.1			.1											7	7	53	69			
60 / 59					.3	.1												3	3	47	66			
58 / 57					.6													3	3	21	52			
56 / 55																			1	10	26			
54 / 53																				16	35			
52 / 51																				3	30			
50 / 49																			1	6	15			
48 / 47																					12			
46 / 45																					6			
44 / 43																					11			
42 / 41																					7			
40 / 39																					9			
38 / 37																					1			
TOTAL	1.6	6.0	9.3	14.7	19.8	19.8	13.2	9.1	4.6	1.7	.3							702	705	702	702			
Element (K)	S <sub>1</sub>		S <sub>2</sub>		S <sub>3</sub>		S <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	1092253		25169		48.645.118		702		10 F		12 F		17 F		21 F		26 F		31 F		Total			
Dry Bulb	4079678		32310		75.80.4537		705						23.1		21.1		26.9		.1		90			
Wet Bulb	3220092		47404		67.50.174		702						22.3		21.9		.3				90			
Dew Point	2707173		32805		62.13.235		702						22.6		21.5						90			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724040 PAIUXANI RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

SEP  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
92/ 91								.1										1	1						
90/ 89								.1										1	1						
88/ 87									.1									1	1						
86/ 85						.3												2	2						
84/ 83					.5	.6			.1									7	7						
82/ 81			.6	.4	1.0	.3	.1	.1										18	18						
80/ 79			1.8	2.1	1.0	1.1	.4	.4										49	49						
78/ 77	.1	.7	2.0	.7	2.0	.9	.7	.1	.1									52	53	7	2				
76/ 75	.4	1.6	2.1	3.0	2.6	.9		.1										75	75	42	16				
74/ 73	.4	2.4	3.0	3.1	1.1	1.1	.9											89	89	49	33				
72/ 71	.6	2.8	3.7	3.4	1.4	1.1	.3	.2										96	96	70	58				
70/ 69	.7	.9	3.5	2.1	2.3	1.4	.1											79	79	88	68				
68/ 67	.1	1.3	3.1	3.3	1.0	1.1	.4	.1										74	74	75	49				
66/ 65	.3	2.0	1.7	3.0	1.8	.6	.3											68	69	87	44				
64/ 63	.4	.6	.9	2.3	1.1	.7	.4											45	45	76	84				
62/ 61	.1	.4	.3	1.0	.1	.3	.1											17	18	63	65				
60/ 59			.1	.9		.4												10	10	49	50				
58/ 57		.1	.9	.1	.3													10	10	40	48				
56/ 55			.1	.3														3	3	22	41				
54/ 53				.3	.6													6	7	17	40				
52/ 51			.3															2	2	7	28				
50/ 49																				6	20				
48/ 47																				4	12				
46/ 45																				3	2				
44/ 43																					8				
42/ 41																					9				
40/ 39																					6				
38/ 37																					2				
TOTAL	5.5	12.8	24.1	26.1	17.4	10.8	3.8	1.6	.4									705	709		705				

FORM 12-64 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

**23-AD**

**YEARS**

**SEP**  
**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

**SEP**

**MONTH**

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**73-80**

**YEARS**

**SEP**  
MONTH

**PAGE 2**

**HOURS (L.S.T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**73-80**

OC T

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**73-80**

UCI  
MONTN

PAGE 1 0300-0500  
HOURS [L. S. T.]

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

QCI  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

QCI  
MONTH

PAGE 1 0900-1100  
HOURS 11:00-11:00

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
47/ 83							.1											1	1													
47/ 81							.1		.1									2	2													
47/ 79					.1	.3		.1	.1	.1								6	6													
71/ 77				.4	.5		.1	.5										10	10													
76/ 75			.3	1.0	.7	.4	.7	.1	.1									24	24													
74/ 73			.7	1.4	.3	.4	.5	.1	.1									26	26	1												
72/ 71		.3	1.1	.5	.8	.5	.3	.1										27	27	11												
71/ 69	.1	.3	1.5	1.2	.8	.7	.7		.1									40	40	25												
67/ 67	.5	1.4	1.6	1.2	1.4	.8	.5	.3	.1									58	58	28												
66/ 65	.4	2.1	1.0	1.9	.3	1.0	.1	.3	.1									52	53	39												
64/ 63	.8	2.1	1.1	1.4	2.3	1.1	1.2	.3										75	75	60												
62/ 61	1.1	1.2	1.2	1.4	1.8	2.2	.7	.3										72	72	57												
61/ 59	.5	1.5	1.5	1.4	1.6	2.2	1.0	.3										73	74	58												
57/ 57	.4	.3	1.2	1.2	3.8	1.2	.4	.1										64	65	44												
57/ 55	.3	.1	1.5	1.4	1.5	1.5	.4											49	49	53												
54/ 53		.1	1.2	1.9	1.9	1.4												48	48	38												
52/ 51		.1	1.2	1.0	1.4	.5												31	31	68												
51/ 49	.1	.3	.8	.3	1.1	.8												25	25	75												
48/ 47	.1	.5	.3	.5	1.1	.4												22	22	55												
47/ 45				.5	.3													6	6	39												
44/ 43			.1	.4	.5													8	8	23												
42/ 41	.1	.3		.3	.1													6	6	21												
41/ 39	.1		.1	.3														4	4	17												
38/ 37				.1														1	1	9												
37/ 35																				6												
34/ 33																			1													
32/ 31																																
30/ 29																																
28/ 27																																
26/ 25																																
24/ 23																																
TOTAL	4.8	10.5	16.6	19.7	22.5	15.5	7.1	2.3	1.0									730	733	730												
Element (X)	ΣX <sup>2</sup>			ΣX			Σ			Σ <sub>2</sub>			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.	5458580			48574			66.5			16.821			730			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total				
Dry Bulb	2800049			44911			61.3			8.127			733						24.6			6.8			.9			93				
Wet Bulb	2262202			40172			55.0			8.408			730						8.3			.1						93				
Dew Point	1864885			35999			49.3			1.086			730						7.9			3.9						93				

## PSYCHROMETRIC SUMMARY

724040	PATUXENT RIVER NAS MD
STATION	STATION NAME

73-80

YEARS

OCT  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724000 PATUXENT RIVER NAS MD

73-80

YEARS

OCT  
MONTH

PAGE 1 1500-1700  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
61/ 85								.1										1	1						
62/ 83							.3	.4			.1	.3						8	8						
63/ 81									.4									3	3						
64/ 79			.1	.1		.8		.1	.1		.1							8	8						
70/ 77				.1	1.0	.5	.3	.5	.1	.1								20	20						
76/ 75			.4	.2	.7	.2	.7	.2	.3	.1								28	28	1					
147/ 73			.4	1.5	.8	.8	.8	.3	.1									35	35	2					
122/ 71		.1	.7	1.2	1.0	1.1	.8	.8	.3	.1								45	45	12					
70/ 69	.1	.5	.7	2.0	1.4	1.9	.7	.4	.3	.1								60	60	29					
65/ 67	.3	1.0	1.1	1.8	.8	1.8	.8	.5	.3									61	61	24					
16/ 65	.4	.5	1.2	1.9	1.1	1.6	1.4	.3										62	62	45					
64/ 63	.5	2.2	1.2	1.8	.7	1.9	1.2	.4	.5									77	77	59					
127/ 61	.1	1.1	1.1	.7	1.2	1.9	1.1	.8	.4									62	62	73					
117/ 59	.4	.3	2.0	.8	2.2	2.2	1.2	.3	.1									70	70	64					
58/ 57	.1	.3	.1	.8	1.9	2.0	1.4	.1										50	51	54					
56/ 55	.3	.5	.4	.7	1.2	1.6	1.1											43	43	47					
147/ 53	.1		.4	1.4	.3	1.9	.4											33	33	58					
247/ 51	.1		.8	.2	.2	.8	.3											23	23	56					
507/ 49		.1		.4	.4	.8												13	13	51					
457/ 47		.4	.4	.3	.7	.3												15	15	56					
467/ 45			.1	.4														4	4	32					
447/ 43	.5	.3		.7	.1													12	12	35					
427/ 41		.1																1	1	12					
407/ 39																				16					
387/ 37																				8					
367/ 35																									
347/ 33																									
327/ 31																									
307/ 29																									
287/ 27																									
267/ 25																									
247/ 23																									
TOTAL	2.9	7.8	11.2	17.4	16.3	22.2	12.4	5.7	3.0	.7	.4							734	735	734					
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X				
Rel. Hum.	2979508		44969		61.3		17.523		734		2.0 F		32 F		67 F		73 F		80 F		93 F				
Dry Bulb	3010007		46693		63.5		8.229		735						34.0		13.0		2.2						
Wet Bulb	2391161		41019		55.9		8.183		734						8.6		.4								
Dew Point	1856395		35975		49.8		1.210		734				8.1		3.9		.1								

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**73-80**

YEARS

OCT  
MONTH

PAGE 1 1800-2000  
HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

71-AD

OC 1

PAGE 1 2100-2300

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD

73-80

YEARS

QCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
60/ 65								.1	.0	.0								5	5						
61/ 63				.0		.0	.1	.1		.0	.1	.0						18	18						
62/ 61					.0	.1	.1	.0	.1	.0	.0							20	20						
63/ 79			.0	.0	.0	.1	.0	.1	.1		.0							26	26						
71/ 77			.0	.1	.2	.1	.2	.2	.0	.0								56	56	1					
76/ 75			.1	.3	.4	.2	.3	.1	.1	.0								87	87	2	1				
77/ 75		.1	.5	.6	.5	.4	.3	.2	.0	.0								141	141	9	2				
78/ 71		.2	.5	.5	.5	.5	.3	.2	.1	.0								163	163	52	8				
79/ 69	.0	.6	1.1	.8	.6	.5	.4	.2	.1	.0								254	254	114	54				
80/ 67	.4	1.2	1.6	.9	.6	.6	.3	.2	.1									347	347	169	102				
86/ 65	.7	2.3	1.1	1.3	.7	.6	.4	.2	.0									421	422	277	199				
87/ 63	.6	3.1	1.2	1.6	.8	.7	.7	.2	.1									517	519	427	273				
88/ 61	.8	1.7	1.5	1.0	.9	1.0	.5	.2	.1									438	438	405	348				
89/ 59	.6	1.5	2.1	1.1	1.1	1.1	.5	.1	.1									462	464	385	292				
90/ 57	.6	1.2	2.1	1.3	1.4	.8	.4	.1										465	467	396	308				
96/ 55	.5	1.2	1.7	1.4	1.4	.7	.3											433	433	398	320				
97/ 53	.4	1.0	2.0	1.9	1.0	.7	.2											419	419	418	397				
98/ 51	.4	.9	2.2	1.9	1.0	.3	.1											396	397	464	317				
99/ 49	.4	1.5	1.8	1.5	.8	.4												352	353	500	343				
41/ 47	.3	1.3	.9	1.2	.6	.2												260	262	488	320				
42/ 45	.2	.5	.5	1.0	.4													156	159	405	350				
44/ 43	.3	.5	.6	.8	.2													138	139	258	444				
42/ 41	.3	.7	.6	.7	.0													131	132	228	355				
46/ 39	.1	.3	.6	.4	.0													81	81	192	333				
50/ 37	.0	.1	.3	.1														24	26	108	211				
50/ 35		.1	.2															15	15	93	196				
54/ 33		.1	.1															7	7	36	208				
52/ 31																				3	168				
31/ 29																				4	117				
25/ 27																					101				
20/ 29																					48				
24/ 23																					12				
12/ 21																					4				
20/ 19																					1				
Element (R)	Σ <sub>g</sub>		Σ <sub>h</sub>		Σ		Σ <sub>s</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 8-26-5 (OL A) WEATHER SERVICE BRANCH OF THE ARMY AIR FORCE

## PSYCHROMETRIC SUMMARY

73-14

DCI  
MONTH

**PAGE 2**

**HOWARD L. GALT**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	6.6	19.5	23.3	20.3	13.0	9.0	5.0	2.1	1.0	.2	.1	.0							5832	5850	5832		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724040 PATUXENT RIVER NAS MD

73-80

YEARS

NOV  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1/ 69			.4															3		3					
6/ 61		.1		.3	.8													9		9					
16/ 65		1.7	.3		.3													16	16	4	1				
24/ 64	.8	1.0	.4	.1		.1												18	18	20	19				
32/ 61	.3	1.7	.8	.8		.3	.1											29	29	14	17				
40/ 59	1.1	.7	.3	.8	.4	.3	.3											28	28	28	19				
50/ 57	1.3	1.0	1.0	.7		.1	.1											30	30	28	15				
57/ 55	.4	2.0	1.5	.5	.6	.5												34	34	24	28				
64/ 53	.6	1.1	2.1	.4	1.7	.4	.6											49	49	26	21				
72/ 51	.3	2.1	2.4	1.0	.8	.1	.1											49	49	31	17				
80/ 49	1.3	1.4	1.4	.7	1.4	.4												47	47	47	35				
88/ 47	.4	2.9	2.1	1.7	1.3													60	60	40	40				
96/ 45	.3	1.7	2.5	2.1	.7													52	52	51	34				
104/ 43	.4	2.2	2.5	2.8	.8													63	63	46	27				
112/ 41	1.1	.8	1.8	2.9	.4													51	51	75	36				
120/ 39	.7	1.7	2.1	2.0	.3													48	48	65	50				
128/ 37	.6	.8	1.8	2.2	.1													40	40	49	44				
136/ 35	.4	.1	2.2	1.3														29	29	43	48				
144/ 33	.4	.8	2.2	.3														27	27	34	46				
152/ 31		1.4	.1	.8														17	17	45	41				
160/ 29			.6	.1														5	5	22	23				
168/ 27		.1																1	1	4	47				
176/ 25		.6																4	4	11	44				
184/ 23	.1	.3																3	3	3	19				
192/ 21		.1																1	1	3	20				
200/ 19																					15				
10/ 17																					3				
16/ 15																					8				
14/ 13																					2				
12/ 11																					2				
TOTAL	10.5	26.5	28.5	21.5	9.7	2.1	1.3											713		713		713			
																			713		713				
Element (H)	Σ H'	Σ H	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	437958	55088	74.9	10.127	713	10 F	132 F	67 F	73 F	80 F	93 F	Total													
Dry Bulb	1670703	33865	47.5	9.349	713		3.9	1.5				90													
Wet Bulb	1037882	31290	43.9	9.534	713		11.1					90													
Dew Point	1197874	28002	39.3	1.740	713		27.9					90													

FORM 6-24-5 (OL A)  
REPLACES FORM 6-24-5 (OL A)  
USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

724-140 PATUXENT RIVER NAS MD

73-80

YEARS

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
67			.6	.4														7	7						
68		.1	.8	.1	.6													12	12	3	1				
69		.1	1.6	.6	.1	.1												18	18	16	11				
70		.7	2.1	.3														22	22	18	18				
71	1.1	.7	1.1	.3	.1	.4												27	27	28	25				
72	.3	1.4	1.0	.8			.1											26	26	16	7				
73	1.7	.4	1.6	.3		.3												30	30	29	31				
74	.4	2.2	1.8	.8	.4													41	41	17	17				
75	.7	2.1	2.0	1.1	.7	.4	.3											52	52	42	19				
76	.7	3.1	2.4	.4	.7	.1												53	53	36	33				
77	.3	2.3	1.7	1.7	1.0	.3												51	51	51	37				
78	.1	1.8	2.5	3.5														57	57	35	43				
79	.6	2.3	2.0	2.8	.4													57	57	49	28				
80	.4	2.4	2.0	2.7	.3													55	55	65	27				
81	.6	1.0	2.3	2.7	.4													49	49	63	50				
82	.4	1.7	2.0	1.6														40	40	38	36				
83	.7	1.0	2.5	.8														36	37	63	39				
84	.3	1.8	1.1															38	38	42	52				
85	.6	1.1	.8	.6														22	22	39	51				
86		.7	.8															11	11	34	32				
87		.3	.1															3	3	8	39				
88																				10	49				
89	.3	.1																3	3	4	13				
90		.8																1	1	2	25				
91																					13				
92																					4				
93																					2				
94																					6				
95																					1				
TOTAL	10.2	31.3	33.0	21.5	4.2	1.6	.9											709	710	709	709				

FORM 0-26-5 (O.L.A.) PREPARED BY THE AIR FORCE AIR COMMAND

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124440 MAJANE RIVER NAS MU

13-00

NOV

PAGE 1

0600-0600  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67		.1	.3	.4														6	6																
66	.3	.7	.6	.5														13	13	4	2														
65	.6	.7	.6	.7														18	18	14	13														
64	.9	1.1	.9	.1														21	21	16	12														
63	1.4	1.0	1.3	.3	.3	.1												31	31	24	20														
62	.4	1.3	1.1	.4		.1												24	24	18	16														
61	1.3	1.0	1.4	.4	.1	.1												31	31	27	21														
60	.4	1.9	1.7	1.7	.3	.3												44	44	25	20														
59	.6	1.9	2.3	.6	.3	.1	.1											41	41	29	23														
58	.1	3.3	1.7	.7	.3	.3												45	45	44	31														
57	.3	3.3	1.6	2.4	.6	.1												58	58	42	35														
56	.6	1.7	3.3	3.7	.4													68	68	54	36														
55		1.7	2.0	2.4	.3													45	45	38	44														
54	.6	1.9	2.3	2.1														48	48	61	32														
53	.4	1.7	2.4	3.1	.3													56	56	58	38														
52	.7	1.9	1.7	1.9	.3													45	45	50	36														
51	.6	1.4	2.1	.7														34	34	57	41														
50	.4	.6	3.0															28	28	42	51														
49		1.9	1.7	.3														22	22	33	52														
48		1.3	.7															14	14	37	29														
47		.1	.6															5	5	10	48														
46																				6	35														
45																				4	18														
44	.1	.1																2	2	1	21														
43	.4																	3	3	4	10														
42																					9														
41																					4														
40																					3														
TOTAL	10.1	30.5	32.5	22.4	3.1	1.3	.1											702	702	702	702														

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124-190 PATUXENT RIVER NAS MD

73-80

YEARS

NOV  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
10/ 75				.1		.5												3												3					
10/ 73				.1	.1	.3	.4											7													7				
10/ 71			.3	.3	.4													7													7				
10/ 69			.6	1.0	.3	.4	.3	.4	.1									22													22	2			
10/ 67		.6	.8	.4	.6	.4	.3											22													22	5	1		
10/ 65	.3	.4	.7	.2	.6	.3	.1	.1										20													20	12	11		
10/ 63	.4	1.0	1.0	1.0	.8	.4	.7	.5										44													44	30	11		
10/ 61	.1	.4	.1	1.3	.8	.4	.7	.3										30													30	25	18		
10/ 59		1.4	1.4	.8	1.0	1.3	.3	.3										46													46	20	25		
10/ 57		1.3	1.3	.7	.8	.8	.6	.1										40													40	34	21		
10/ 55	.4	1.0	1.3	.6	1.3	.6	.1											37													37	36	16		
10/ 53	.1	1.0	1.0	1.3	1.0	1.1	.7											58													58	38	23		
10/ 51	.1	.8	1.3	1.0	1.0	.7	.3											43													43	43	37		
10/ 49	.1	1.1	1.4	2.1	1.6	2.0												60													60	42	34		
10/ 47	.3	1.8	.8	2.5	3.4	.4												66													66	55	38		
10/ 45	.1	.8	1.1	1.7	1.8	.4												43													43	56	30		
10/ 43	.3	1.4	1.4	2.1	2.0	.1												52													52	51	35		
10/ 41	.7	.8	2.1	2.4														43													43	64	41		
10/ 39		.3	.8	2.5	.7													29													29	58	33		
10/ 37		.3	.6	1.1	.1													15													15	30	41		
10/ 35	.4	.1	.3	.3	.3													10													10	48	48		
10/ 33			.6	.1														5													5	32	37		
10/ 31			.3															2													2	11	36		
10/ 29		.1																1													1	4	32		
10/ 27		.1																1													1	8	43		
10/ 25		.1																1													1	2	33		
10/ 23																																	1	22	
10/ 21																																		19	
10/ 19																																		8	
10/ 17																																		7	
10/ 15																																		4	
10/ 13																																		3	
TOTAL	3.0	16.0	17.8	24.0	22.9	10.0	4.5	1.6	.1									707													708		707		
Element (X)	Σx'	Σx	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3224987	44173	45.3	17.308	707	± 0 F	± 32 F	± 67 F	± 73 F	± 88 F	± 93 F	Total																							
Dry Bulb	2013027	37159	52.5	9.422	708		.6	7.8	1.3			90																							
Wet Bulb	1618532	33170	46.9	9.399	707		3.3	.9				90																							
Dew Point	1259248	28576	40.4	12.151	707		20.4	.1				90																							

REPRODUCED FROM THE RECORDS OF THE AIR FORCE

FORM 0-26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-80

YEARS

**NOV**  
**MONTH**

PAGE 2 ~~1200-1400~~  
Holds (12-1-70)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
1 / 74								.5	.1		.1							4	4					
7 / 77					.1			.6	.1		.1							7	7					
16 / 75				.3	.1			.3	.1									6	6					
14 / 73				.3	.1	.1	.1	.1		.3	.1							9	9					
12 / 71			.1	.3	.6	.1	.3	.4	.1	.1								15	15					
1 / 69			.9	.1	.6	.1	.6		.1	.1								18	18	5				
6 / 67		.5	1.0	.4	.1		.9		.5									21	21	2				
6 / 65		.7	.7	.9	.1	.7	.3	.6	.7									33	33	16				
4 / 63	.3	1.6	.4	.7	.3	1.1	.7	.9	.4									45	45	31				
2 / 61	.1	1.4	.9	1.0	.6	.4	.4	.9										40	40	27				
2 / 59	.5	1.4	.9	1.3	.6	.4	.4	.4										40	40	32				
5 / 57		.4	.5	1.4	.5	1.4	.6											31	31	33				
5 / 55	.1	2.0	1.6	1.6	.7	1.1	.4	.4										56	56	51				
4 / 53		1.4	.7	.9	1.7	1.6	1.0	.1										52	52	40				
2 / 51		.4	1.4	.7	1.6	1.8	.6											46	46	48				
5 / 49	.6	1.4	1.0	2.0	2.3	2.7												70	70	47				
4 / 47	.1	.7	.7	1.8	2.1	1.4	.6											53	53	55				
4 / 45		1.6	1.6	1.0	2.5	1.1												53	53	44				
4 / 43	.1	.7	.4	.9	2.4	.7												37	37	61				
2 / 41		.6	.3	.6	1.3	.4												22	22	65				
4 / 39		.1	.9	1.1	1.0	.1												23	23	48				
3 / 37		.4			.4													6	6	39				
5 / 35		.1		.4	.6													8	9	35				
3 / 33	.1	.1		.6														6	6	21				
2 / 31				.1														1	1	7				
1 / 29			.1															1	1	10				
2 / 27																				5				
2 / 25																				1				
2 / 23																								
2 / 21																								
2 / 19																								
1 / 17																								
1 / 15																								
14 / 13																								
Element (X)	Σ X²	Σ X				Σ	Σ	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

124040 PATUXENT RIVER NAS MD  
STATION STATION NAME

73-80  
YEARS

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
14/ 13						.1												1	1						
12/ 11			.4		.5													5	5						
10/ 69			.1			.8												7	7						
66/ 67		.1	.6			.1	.4											9	9	3	3				
16/ 65		1.7	.6	.4	.4	.1												23	23	6					
4/ 63	.3	.8	.4	.4		.1												18	18	18	16				
22/ 61	.4	1.6	1.1	1.0	.5		.1	.1										33	33	15	10				
21/ 59	.4	2.1	1.3	1.1	.3	.3	.4											42	42	51	19				
57/ 57	.8	.8	1.1	.7	.1	.7	.7											36	36	35	29				
56/ 55	.1	1.6	1.4	1.0	.8	.8	.1											42	42	29	19				
14/ 53		1.1	2.1	1.3	1.1	.8												46	46	26	23				
22/ 51	.3	1.3	3.3	.8	.7	.3												47	47	30	26				
50/ 49	.4	1.7	2.5	3.0	1.7	.1												67	67	48	29				
40/ 47	.3	1.1	1.7	2.8	3.1	.3												66	66	61	33				
46/ 45	.1	1.1	3.0	3.0	1.8	.7												69	70	49	43				
44/ 43		.7	1.0	2.3	2.7													47	47	49	26				
42/ 41	.3	2.1	1.4	1.7	1.3	.1												49	49	71	29				
40/ 39		1.0	.4	2.8	.4													33	33	59	53				
30/ 37			1.3	2.1	.4													27	27	48	41				
36/ 35		.4	.7	.3	.4													13	13	39	45				
34/ 33		.6	.8	.7														15	15	43	44				
32/ 31			.3	.6														6	6	20	44				
30/ 29			.4															3	3	11	31				
28/ 27		.1																1	1	6	30				
26/ 25			.1															1	1	8	41				
24/ 23																					22				
22/ 21																				1	18				
20/ 19																					12				
18/ 17																					8				
16/ 15																					5				
14/ 13																					4				
12/ 11																					3				
TOTAL	3.5	20.1	26.2	26.1	16.0	5.7	2.3	.1										706	707		706				
Element (X)	Σx'		Σx		X	Σ <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	3534290		48560		68.8	16,599		706		± 0 F	± 32 F	± 67 F	± 72 F	± 80 F	± 93 F	Total									
Dry Bulb	1818582		35302		49.9	8,897		707			1.4	2.8	.1			90									
Wet Bulb	1506925		31957		45.3	9,256		706			5.9	.4				90									
Dew Point	1201984		27864		39.5	12,044		706			27.8	.4				90									

FORM 0-26-5 (OL A) REVERSED REVISED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

YEAR

**NOV**

PAGE 1 ~~2100-2300~~  
MAY 1964

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
10/ 64		.5	.3		.1	.5												7	7					
60/ 67		.3	.1	.3	.1	.8	.1	.1										11	11	2				
66/ 65		1.1	.3	.4	.3		.1											16	16	4				
64/ 63	.4	1.6	.8	.7	.1		.1											24	24	14				
62/ 61	.1	1.8		1.3	.3	.3	.1											28	28	21				
50/ 59	.6	1.8	1.1	.4	.4		.1	.5										34	34	26				
50/ 57	.8	2.0	1.1	.1	.3	.1	.4	.1										36	36	36				
50/ 55	.1	1.1	1.3	.6	.8	1.0	.1											36	36	26				
44/ 53	.3	.8	2.0	1.1	1.3	.6												43	43	25				
52/ 51	.1	1.6	1.6	2.0	.7	.4												45	45	25				
50/ 49	.6	2.3	2.1	1.1	.8	.1												50	50	37				
40/ 47	.5	2.1	2.7	2.0	1.7													62	62	49				
40/ 45	.7	1.0	2.7	3.0	1.4													62	62	72				
44/ 43		1.8	2.0	2.0	1.6													49	49	44				
42/ 41	.6	2.0	1.8	2.3	.7													52	52	64				
40/ 39	.1	1.7	1.7	2.3	.8													47	47	57				
35/ 37	.1	.7	1.8	3.1														41	41	48				
30/ 35		.1	1.7	.8														19	19	37				
34/ 33		1.0	1.0	.4														17	17	47				
52/ 31		.6	.8	.8														16	16	32				
30/ 29		.1	.4	.1														5	5	17				
28/ 27		.1	.3															3	3	10				
26/ 25		.3	.1															3	3	9				
24/ 23			.1															1	1	3				
22/ 21			.1															1	1	1				
20/ 19																				2				
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
TOTAL	4.925	8.27	7.24	9.11	.6	3.2	1.3	.6										708	708	708				

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3806895	50665	71.6	8.995	708	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	
Dry Bulb	1721584	34266	48.4	9.452	708		3.7	2.3				90
Wet Bulb	1453666	31352	44.3	9.612	708			9.4	.3			90
Dew Point	1183579	27677	39.1	1.990	708		29.1	.1				90

## PSYCHROMETRIC SUMMARY

73-88

**NOV**

PAGE 1

MS (L, S, T, I)

[illegible]

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

**MOSE**  
**MONTH**

PAGE 2

ALL  
HOURS (L. S. Y.)

[illegible]

**USAFETAC** FORM 0-24-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
1/ 69			.4															3	3					
65/ 67			.3															2	2					
66/ 65				.3														2	2	3				
44/ 63							.1											1	1	3				
62/ 61		.5	.5	.1		.1	.1											9	9	1				
59/ 59	.5	.1	.3	.4														8	8	5				
58/ 57			.1	.4		.1												5	5	6				
56/ 55		.3	.1															3	3	5				
54/ 53	.1	1.0	.7	.4		.3												18	18	5				
52/ 51	.1	1.4	.8	.4	.7	.3												27	27	10				
50/ 49	.8	2.3	1.1	.4	.1	.4												38	38	18				
48/ 47	.1	2.1	.4	.5	.7													28	28	24				
46/ 45	.3	1.5	.8	1.1	.8													33	33	21				
44/ 43	1.1	2.3	1.5	1.6	.4	.1												52	52	25				
42/ 41	.7	2.2	2.6	.8	1.5													57	57	23				
40/ 39	.3	3.6	2.7	1.8	1.1													69	69	27				
38/ 37	.7	4.2	2.9	3.0	1.0													89	89	33				
36/ 35	.5	1.4	3.4	3.6	.7													70	70	35				
34/ 33	.1	2.9	2.5	1.4	.3													52	52	60				
32/ 31	.3	1.9	2.3	1.1	.3													43	43	52				
30/ 29	.3	1.0	3.0	.1														32	32	44				
28/ 27		1.0	2.2	.5														27	27	43				
26/ 25		1.5	1.9	.1														26	26	36				
24/ 23		.8	1.4	.1														17	17	33				
22/ 21		.4	1.0															10	10	38				
20/ 19		.4	.4															6	6	52				
18/ 17																				35				
16/ 15			.5															4	5	31				
14/ 13																				27				
12/ 11																				15				
10/ 9																				7				
8/ 7																				11				
6/ 5																				3				
4/ 3																				4				
Element (X)	Σ X'		Σ X		Σ	C	No. Obs.											Mean No. of Hours with Temperature						
Rel. Hum.																		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

~~DEC~~

PAGE 2 ~~0000-0200~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
+ / 1																					2	
- / -1																					1	
+ / +3																					1	
- / -7																					1	
TOTAL	5.7	32.4	33.9	18.7	7.5	1.4	.3											731	732	731	731	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724 40 PATUXENT RIVER NAS MD

73-80

DEC

PAGE 1 0100-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
1 / 69			.1																														1	1			
0 / 67			.3																														2	2			
6 / 65			.1		.1																												2	2	2		
4 / 63		.3																															2	2	1	2	
2 / 61		.1																															1	1	3	1	
1 / 59		.3	.4	.4																													8	8	1	4	
5 / 57		.3		.4	.3																												7	7	5		
5 / 55	1.0	.5	.3																														13	13	5	4	
4 / 53	.1	.7	.4	.3	.4	.3																											16	16	12	8	
2 / 51	.3	.8	.4	.5	.4																												18	18	13	8	
5 / 49	.1	1.6	.8	.4	.1	.1																											24	24	15	13	
4 / 47	.1	2.2	.3	.5	.7	.3																											30	30	22	17	
4 / 45	.5	2.3	1.1	1.4	.5																												43	43	37	24	
4 / 43	.3	2.1	1.5	1.2																													37	37	24	24	
2 / 41	.4	2.7	1.5	1.4	.7																												49	49	33	20	
4 / 39	.8	3.7	3.3	1.5	1.0																												75	75	59	32	
3 / 37	1.4	3.4	2.3	2.7	.3																												74	74	65	39	
3 / 35	.8	2.7	3.6	3.2	.3																												77	77	59	39	
3 / 33		3.0	2.7	2.2	.3																												60	60	59	45	
2 / 31	.5	3.4	1.4	2.2																													57	57	80	50	
3 / 29	.4	.7	2.9	.3																													31	32	62	48	
2 / 27		1.2	1.0	.1																													17	17	36	45	
2 / 25		1.5	2.9	.3																													34	34	47	42	
2 / 23		.5	.7																														9	9	25	30	
2 / 21		1.4	2.2																														26	26	21	46	
2 / 19	.1	.7	.5																														10	10	20	46	
1 / 17		.1	.3																														3	3	15	21	
1 / 15		.1	.1																														2	2	4	25	
1 / 13		.1																															1	1	3	47	
1 / 11																																			1	1	16
1 / 9																																				10	
0 / 7																																				4	
0 / 5																																				3	
4 / 3																																				6	
Element (X)	Σ <sub>1</sub>		Σ <sub>2</sub>		Σ		Σ <sub>4</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	Total																				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A) REVERSE SERVICE DEPT/OPS OF THIS FORM ARE OBSOLETE  
JAN 64

USAFETAC

## PSYCHROMETRIC SUMMARY

**73-80**

**YEARS**

**DEC**  
**MONTH**

PAGE 2

0300-0500  
HOURS (L. S. T.)

[illegible]

ATTENTION: NEW EMPLOYEES MUST READ THESE INSTRUCTIONS CAREFULLY

**0-26-S (OLA)**

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724140 PATUXENT RIVER NAS MD

73-80

YEARS

DEC  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	3	4	5	6
69			.1	.3																	3	3		
65			.5																		4	4	3	
63		.4																			3	3	1	
61		.8																			3	3	6	4
59		.3	.1	.3																	5	5	4	5
57		.1	.4	.3	.1																7	7	2	5
55	.1	.8	1.0																		14	14	3	3
53	.1	.4	.4	.3	.4																12	12	12	4
51		.4	.7	.4	.3	.1															14	14	14	6
49	.1	1.4	.5	.3	.3	.1															20	20	9	17
47	.3	2.6	.4	.4	.7	.3															34	34	21	17
45	.5	1.0	.8	.4	.3																22	22	31	20
43	.1	2.7	1.4	1.8	.1																45	45	19	14
41	.8	2.0	3.1	1.8	.4																60	60	39	21
39	1.5	3.4	2.7	2.0	.5																75	75	59	31
37	1.1	2.7	2.7	2.9	.4																72	72	65	41
35	.5	2.6	3.4	3.1	.3																73	73	52	41
33	.5	2.6	3.5	1.8	.1																67	67	87	38
31	.3	3.0	2.6	2.0																	58	58	63	57
29	.1	.8	2.5	.7																	30	30	56	59
27	.1	1.6	2.0																		28	28	44	43
25		1.4	1.8																		23	23	48	44
23		1.2	.8	.1																	16	16	24	31
21		1.4	1.2																		19	19	26	41
19	.1	.8	.8																		13	13	20	45
17		.5	.3																		6	6	9	31
15		.1	.1																		2	2	8	22
13		.1	.3																		3	3	2	35
11		.3																			2	2	2	25
9																							4	14
7																								3
5																								1
3																								8
1																								4
Element (X)	Σ H'		Σ H		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC



## PSYCHROMETRIC SUMMARY

**YEARS**

**DEC**  
**MONTH**

PAGE 2 ~~0600-0800~~  
1010-1130

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
- / -5																									
SUMAL	2.2	3.2	2.3	4.4	3.4	.4	4.5	.	5.																
																			733		733				
																				733	733				
					</																				



## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

~~DEC~~  
MORTN

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1	4.5	17.9	27.2	27.5	15.5	5.5	1.5	.1															728	130	728										

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3279650	47112	64.7	7.819	728	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1366010	30852	42.3	9.230	730		14.3	.6				93
Wet Bulb	1095196	27448	37.7	9.106	728		24.5					93
Dew Point	789241	22155	30.4	12.301	728	.4	54.3					93

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 1 1200-1400

NOV 15 1965

[illegible]

## PSYCHROMETRIC SUMMARY

73-80

DEC  
MONT

PAGE 2 ~~1200-1400~~  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
67 5																						2	
71 5																						5	
75 1																						3	
78 5																						3	
TOTAL	2.6	12.7	15.9	23.9	22.9	13.0	6.2	1.9	.8	.1									725	726	725		

Element (X)	Σ x'	Σ x	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2669315	41713	57.5	19.288	725	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1584925	33189	45.7	9.663	726		9.6	2.2	.4			93
Wet Bulb	1195294	28694	39.6	9.076	725		18.7	.5				93
Dew Point	782635	21989	30.3	12.642	725		55.8					93



## PSYCHROMETRIC SUMMARY

**73-80**

YEARS

DEC  
MONTH

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-85

DEC  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

73-80

YEARS

~~SECRET~~

PAGE 2 100-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
TOTAL	3.4	22.8	35.6	23.7	10.5	3.3	.8											734	735	734		

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2471048	48710	66.6	16.988	734	$\leq 0^\circ$	$\leq 32^\circ$	$\leq 67^\circ$	$\leq 73^\circ$	$\leq 90^\circ$	$\leq 93^\circ$	
Dry Bulb	1273361	29887	40.7	8.895	735		17.0	.5				93
Wet Bulb	1039640	26838	36.6	8.921	734		29.9					93
Dew Point	758362	21812	29.7	12.091	734	.5	33.1					93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724440 PATUXENT RIVER NAS MD

73-80

YEARS

DEC  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71 / 69			.4															3	3						
66 / 65		.1	.4		.1		.1											6	6	3					
64 / 63		.1		.1			.3											4	4	1	2				
62 / 61				.7														5	5	4	3				
59 / 59		.1	.3	.3														5	5		2				
58 / 57	.1	.1	.5	.3		.3	.1											11	11	6	2				
55 / 55	.1	.1	.4	.1	.1	.1												8	8	9	4				
54 / 53	.1	.8	.4	.1		1.0												18	18	8	6				
52 / 51	.1	1.0	.4		.5													15	15	17	10				
50 / 49	.5	1.4	.5	.3	.3	.1												23	24	16	19				
47 / 47	.5	1.6	1.0	.7	1.0													35	35	19	17				
46 / 45	.5	2.0	1.4	1.4	.3	.4												44	44	32	18				
44 / 43	1.1	4.5	2.6	2.2	.4	.3												81	81	39	23				
42 / 41		2.6	3.3	1.1	1.1													59	59	54	28				
40 / 39		3.1	3.1	1.4	1.5													67	67	54	30				
38 / 37	.8	2.6	3.8	3.7	1.0													87	87	70	45				
36 / 35	.1	1.8	2.5	3.7	.7													64	64	64	34				
34 / 33		2.0	2.7	1.5														46	46	62	56				
32 / 31	.1	2.0	2.7	.8	.1													43	43	69	61				
30 / 29		.5	2.6	1.1	.1													32	32	68	46				
28 / 27		.7	1.2	.7														19	19	29	38				
26 / 25	.1	1.5	2.2	.3														30	30	36	27				
24 / 23		.4	.5	.1														8	8	28	36				
22 / 21		.3	.7															7	7	23	45				
20 / 19		.4	.5															7	7	6	48				
18 / 17		.1	.4															4	4	7	42				
16 / 15		.1																1	1	5	13				
14 / 13																				3	29				
12 / 11																					19				
10 / 9																					9				
8 / 7																					2				
6 / 5																					8				
4 / 3																					4				
2 / 1																					3				
Element (X)	Σ X'		Σ X		Σ	C <sub>2</sub>	No. Obs.		Mean No. of Hours with Temperature												Total				
Rel. Hum.									≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) STRESS REVERSAL SECTION OF THIS FORM IS OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

~~DEC~~  
~~MONTH~~

PAGE 2 2100-2300  
HOURS (L - S - F)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL

HOURS (L, S, F, N)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
14/ 73				.1														4	4							
14/ 71				.1				.0										4	4							
11/ 69			.5	.1	.1		.0	.0										27	27							
6/ 67			.1	.0	.1		.0		.1									18	18	6						
6/ 65		.1	.3	.1	.0	.1	.0		.1									40	40	23						
6/ 63		.1	.1	.1	.0	.1	.1	.1										35	35	11	20					
2/ 61		.1	.1	.2	.1	.1	.1	.0										40	40	30	19					
1/ 59	.0	.2	.3	.3	.2	.1	.1	.0		.0								70	70	27	29					
1/ 57	.1	.2	.4	.5	.2	.2	.5	.1	.0									100	100	36	21					
5/ 55	.2	.7	.6	.5	.2	.3	.2	.1										144	144	65	46					
4/ 53	.1	.8	.8	.3	.3	.6	.2	.1										186	186	107	46					
2/ 51	.2	1.2	.6	.5	.6	.6	.2	.1										233	233	140	89					
50/ 49	.3	1.4	.8	.5	.7	.5	.2	.0										254	256	176	139					
42/ 47	.2	1.8	.9	1.1	1.1	.7	.1											348	348	201	154					
40/ 45	.4	1.6	1.6	1.9	1.4	.7	.1											443	444	272	180					
44/ 45	.4	2.2	1.9	1.9	1.1	.4	.1											469	469	308	151					
42/ 41	.5	2.3	2.4	1.6	1.3	.3												488	488	423	195					
40/ 39	.5	2.7	2.5	2.1	1.5	.1												543	544	514	235					
38/ 37	.7	2.2	2.5	2.7	1.0	.0												540	541	573	320					
36/ 35	.3	1.4	2.3	2.4	.6													409	409	488	294					
34/ 35	.2	1.6	2.0	1.6	.4													343	343	523	415					
32/ 31	.2	1.5	1.8	1.8	.3													336	336	450	456					
30/ 29	.2	.5	2.1	.9	.1													220	221	392	365					
28/ 27	.1	.7	1.4	.6														170	171	268	353					
26/ 25	.1	.8	1.7	.2														158	158	279	313					
24/ 23		.4	.6	.1														65	65	208	267					
22/ 21		.5	.7	.1														71	71	136	306					
20/ 19	.0	.4	.4															46	46	86	334					
18/ 17		.1	.3															22	22	48	240					
16/ 15		.1	.1															11	12	24	192					
14/ 13		.0	.0															4	4	19	252					
12/ 11		.0																2	2	6	151					
10/ 9																				4	87					
8/ 7																					91					
Element (X)	Σ x'			Σ x			Σ		Σ <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.													≤ 5 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																										
Wet Bulb																										
Dew Point																										

## PSYCHROMETRIC SUMMARY

**73-80**

YEARS

DEC  
MONTH

PAGE 2

**ALL**  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
✓ 5																						25
✓ 3																						80
✓ 1																						32
✓ -1																						12
- ✓ -3																						3
- ✓ -5																						10
- ✓ -7																						1
TOTAL	8.625	5.29	4.21	9.11	5.8	8.8	1.7	.5	.2	.0									5851		5843	
																			5843		5843	

Element (X)	Σ x'	Σ x	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Rel. Hum.	27844209	388321	66.5	17.995	5843							
Dry Bulb	10311811	239079	40.9	9.632	5851		140.9	6.7	.5			744
Wet Bulb	8348253	214153	36.7	9.245	5843		244.5	.8				744
Dew Point	6019564	173534	29.7	12.173	5843	3.3						744

## PSYCHROMETRIC SUMMARY

YEARS

ALL  
MONTH

PAGE 1

ALL  
HOURS (L. S. Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

15-81

**YEARS**

**ALL  
MONTH**

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
71/ 35	.2	.7	.8	.7	.2	.0												1746	1750	2262	2193											
34/ 33	.2	.7	.8	.5	.1	.0												1562	1562	2140	2357											
22/ 31	.1	.8	.8	.6	.1	.0												1702	1708	1809	2490											
20/ 29	.1	.2	.7	.4	.0													1179	1182	1728	1970											
20/ 21	.1	.4	.5	.5	.0													922	926	1594	2082											
20/ 25	.1	.4	.6	.1														809	812	1343	1807											
24/ 23	.0	.2	.4	.0														433	433	1000	1219											
22/ 21	.0	.2	.3	.0														386	386	795	1340											
21/ 19	.1	.2	.3	.0														383	383	474	1534											
15/ 17	.0	.1	.1	.0														181	184	312	1098											
15/ 15	.0	.1	.1															142	143	244	854											
14/ 13	.0	.1	.1															94	95	155	926											
11/ 11	.0	.1	.0															61	63	111	731											
10/ 9	.0	.0	.0															32	32	77	533											
7/ 7	.0	.0	.0															18	18	41	351											
5/ 5	.0	.0																10	10	19	219											
4/ 3	.0	.0																4	4	8	209											
2/ 1	.0	.0																6	6	5	194											
1/ -1	.0																	6	6	9	122											
-2/ -2	.0																	7	7	7	83											
-4/ -5																					62											
-5/ -1																					52											
-7/ -4																					26											
-10/-11																					12											
-12/-13																					2											
-14/-15																					6											
-17/-17																					1											
TOTAL	5.1	20.5	23.4	18.7	13.2	8.5	5.1	3.0	1.5	.6	.2	.1	.0	.0				68833		68702												
																		68702		68702												

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	F	F <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	352590848	4764126	69.34	7.986	68702	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	245116979	3931937	57.11	7.263	68833	1.7	810.73	122.7	2008.0	751.8	16.5	8760
Wet Bulb	202289524	3559166	51.83	6.143	68702	2.0	1210.32	2081.4	845.6	29.7		8760
Dew Point	1/1619438	3185388	46.41	8.663	68702	46.52	278.41	543.3	402.5	3.1		8760

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12-140 PATUXENT RIVER NAS MD

73-81

STATION		STATION NAME											YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL										
G-12	MEAN	52.7	53.7	43.8	51.6	60.1	67.8	72.6	73.3	67.6	55.2	47.5	38.4	53.8										
	S D	9.941	10.520	9.400	8.039	6.971	5.728	4.508	4.321	5.844	8.284	9.349	9.213	16.139										
	TOTAL OBS	734	671	737	711	728	711	732	731	702	734	713	732	8636										
G-13	MEAN	31.4	32.6	42.4	50.1	58.7	66.5	71.3	72.2	66.6	54.2	46.4	38.0	52.6										
	S D	10.196	10.658	9.294	7.998	6.997	5.728	4.458	4.277	5.946	8.247	9.350	9.232	16.100										
	TOTAL OBS	739	670	724	709	722	709	733	729	704	734	710	730	8613										
G-18	MEAN	31.5	32.1	42.9	52.1	61.4	69.8	73.8	74.1	67.7	54.9	46.3	37.6	53.7										
	S D	10.215	10.720	9.502	8.102	7.163	5.323	4.517	4.547	6.104	8.350	9.428	9.486	17.090										
	TOTAL OBS	735	669	723	703	720	700	723	722	698	728	702	733	8556										
G-11	MEAN	35.6	37.9	48.8	58.8	67.0	75.1	79.7	80.2	73.6	61.3	52.5	42.3	59.5										
	S D	9.770	11.591	10.312	9.214	7.901	5.831	5.126	5.458	6.717	8.127	9.422	9.230	17.513										
	TOTAL OBS	732	660	731	708	733	712	731	734	702	733	708	730	8614										
1.-14	MEAN	38.8	41.6	52.1	61.5	69.5	77.9	82.5	83.1	76.6	64.7	55.9	45.7	62.4										
	S D	9.828	12.039	10.417	9.562	8.081	6.153	5.366	5.870	6.760	8.444	9.976	9.663	17.448										
	TOTAL OBS	729	662	733	710	732	709	727	728	708	727	705	726	8591										
1.-17	MEAN	36.3	41.3	51.7	61.0	69.3	77.4	82.5	82.4	75.8	63.5	54.4	44.3	61.9										
	S D	9.767	11.540	9.702	9.139	7.980	6.248	5.405	5.658	6.457	8.229	9.694	9.050	17.411										
	TOTAL OBS	732	669	733	708	729	707	731	725	705	735	704	732	8610										
-2	MEAN	34.9	36.9	47.5	56.6	65.3	73.5	78.3	77.9	71.0	58.1	49.9	40.7	57.6										
	S D	9.466	10.290	8.816	8.241	7.401	5.916	4.956	5.075	6.093	7.816	8.897	8.895	16.973										
	TOTAL OBS	729	666	729	698	724	705	726	726	709	728	707	735	8582										
1-23	MEAN	33.7	35.1	45.5	53.4	61.8	69.6	74.5	74.8	68.6	56.1	48.4	39.5	55.2										
	S D	9.632	10.686	9.020	7.864	7.082	5.623	4.435	4.516	5.829	8.137	9.452	9.020	16.284										
	TOTAL OBS	731	665	734	704	731	711	732	738	708	731	708	733	8626										
ALL HOURS	MEAN	34.7	36.4	46.9	55.6	64.1	72.2	76.9	77.2	71.0	58.5	50.2	40.9	57.1										
	S D	10.183	11.529	10.211	9.506	8.424	7.110	6.395	6.396	7.228	9.071	10.055	9.632	17.263										
	TOTAL OBS	5861	5332	5844	5651	5819	5664	5835	5833	5636	5850	5657	5851	68833										



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12-40 PAQUENT RIVER NAS MU

73-81

STATION		STATION NAME												YEARS											
HRS. ILS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
U-02	MEAN	30.1	30.5	39.9	46.6	56.2	63.9	68.9	70.0	64.2	51.8	43.9	35.6	50.2											
	S D	9.859	9.662	8.828	7.685	7.101	6.211	4.690	4.410	6.434	8.666	9.534	9.212	15.987											
	TOTAL OBS	733	668	736	739	727	710	731	731	696	733	713	731	8618											
U-10	MEAN	29.5	29.7	39.0	45.8	55.3	63.2	68.2	69.4	63.7	51.2	43.2	34.8	49.5											
	S D	10.186	9.921	9.018	7.892	7.448	6.225	4.897	4.402	6.554	8.727	9.656	9.236	16.117											
	TOTAL OBS	738	668	724	708	721	705	733	726	695	729	709	729	8585											
U-11	MEAN	29.2	29.4	39.5	47.1	57.2	65.2	69.5	70.5	64.5	51.7	43.2	34.5	50.1											
	S D	10.135	10.155	9.274	7.966	7.540	5.688	4.832	4.480	6.546	8.789	9.694	9.479	16.709											
	TOTAL OBS	733	668	723	702	720	700	721	722	692	725	702	733	8542											
-11	MEAN	32.1	33.1	42.9	50.2	59.8	67.3	71.8	72.8	66.9	55.0	46.9	37.7	53.2											
	S D	9.579	10.286	9.282	8.032	7.557	5.745	4.868	4.674	6.394	8.408	9.395	9.106	16.231											
	TOTAL OBS	729	659	731	707	733	712	730	733	701	730	707	728	8620											
1-14	MEAN	33.4	35.2	44.6	51.4	60.8	68.1	72.6	73.5	67.8	56.4	48.5	39.6	54.5											
	S D	9.158	9.936	8.786	7.862	7.273	5.828	4.953	4.739	6.304	8.272	9.459	9.076	15.759											
	TOTAL OBS	727	660	732	710	729	709	727	728	706	726	704	725	8583											
15-17	MEAN	33.6	35.1	44.4	51.1	60.6	67.7	72.4	73.2	67.5	55.9	47.7	38.7	54.1											
	S D	9.117	9.558	8.231	7.430	7.114	5.866	4.953	4.658	6.174	8.163	9.314	8.656	15.706											
	TOTAL OBS	730	668	732	706	729	707	728	723	702	734	703	731	8593											
-20	MEAN	31.0	32.7	42.1	49.1	58.8	66.0	70.9	71.5	65.6	53.3	45.3	36.6	52.0											
	S D	9.384	9.306	8.084	7.365	7.075	5.970	4.717	4.558	6.321	8.237	9.256	8.921	15.914											
	TOTAL OBS	729	665	728	695	724	705	725	726	705	727	706	734	8569											
1-23	MEAN	30.6	31.6	41.0	47.5	57.4	64.6	69.7	70.5	64.5	52.1	44.3	35.9	50.9											
	S D	9.477	9.596	8.487	7.427	7.074	6.158	4.690	4.511	6.379	8.478	9.612	8.990	15.908											
	TOTAL OBS	730	665	734	702	731	708	732	738	704	728	708	732	8612											
ALL HOURS	MEAN	31.3	32.2	41.7	48.6	58.3	65.8	70.5	71.4	65.6	53.4	45.4	36.7	51.8											
	S D	9.749	10.026	8.988	7.965	7.522	6.201	5.074	4.787	6.561	8.682	9.686	9.245	16.143											
	TOTAL OBS	5849	5321	5840	5639	5814	5656	5827	5827	5602	5832	5652	5843	68702											

2  
 CLIMATE CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-81 PATUXENT RIVER NAS MD

73-81

STATION

STATION NAME

YEARS

HRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	24.3	23.9	34.3	40.9	52.9	61.3	66.8	68.2	61.9	48.4	39.3	29.6	46.1
S D	12.710	12.092	11.192	9.948	8.941	7.600	5.714	5.163	7.855	10.345	11.740	12.036	18.417
TOTAL OBS	733	668	736	709	727	710	731	731	696	733	713	731	8618
MEAN	24.0	23.5	33.8	40.7	52.3	61.0	66.3	67.9	61.8	48.2	39.0	29.0	45.7
S D	12.960	12.571	11.408	9.891	9.381	7.396	6.057	5.084	7.799	10.345	11.761	12.004	18.493
TOTAL OBS	738	668	724	708	721	705	733	726	695	729	709	729	8585
MEAN	23.7	23.5	34.4	41.6	53.7	62.4	67.1	68.7	62.5	48.6	39.1	28.9	46.2
S D	12.731	12.571	11.755	10.221	9.799	7.240	6.210	5.258	7.768	10.509	11.653	12.025	18.891
TOTAL OBS	733	668	723	702	720	700	721	722	693	725	702	733	8542
MEAN	25.0	24.3	35.2	41.2	54.1	62.5	67.7	69.3	62.9	49.3	40.4	30.4	47.0
S D	13.055	13.153	12.217	10.993	10.311	7.768	6.494	5.662	7.957	11.086	12.151	12.301	18.901
TOTAL OBS	724	659	731	707	733	712	730	733	701	730	707	728	8600
MEAN	24.9	24.3	35.1	40.9	54.2	62.2	67.5	68.9	62.6	49.0	40.2	30.3	46.8
S D	12.792	12.776	12.097	11.174	10.385	8.256	6.910	6.052	8.338	11.358	12.729	12.642	18.916
TOTAL OBS	727	660	732	710	729	709	727	728	706	726	704	725	8583
MEAN	24.3	24.7	35.1	40.7	53.9	61.8	67.3	68.7	62.5	49.0	40.0	29.9	46.6
S D	12.724	12.314	11.599	10.940	10.254	8.431	7.099	6.094	8.355	11.214	12.656	12.593	18.773
TOTAL OBS	730	668	732	706	729	707	728	723	702	734	703	731	8593
MEAN	24.7	24.6	34.8	40.7	53.5	61.3	66.9	68.3	62.1	48.6	39.5	29.7	46.3
S D	12.507	12.352	10.977	10.529	9.721	8.242	6.474	5.828	7.964	10.485	12.044	12.091	18.472
TOTAL OBS	724	665	728	695	724	705	725	726	705	727	706	734	8569
MEAN	24.3	24.5	34.9	40.9	53.7	61.3	67.0	68.3	61.8	48.2	39.1	29.7	46.3
S D	12.516	12.159	11.043	10.118	8.892	7.839	5.938	5.451	7.919	10.385	11.990	11.852	18.404
TOTAL OBS	730	665	734	702	731	708	732	738	704	728	708	732	8612
MEAN	24.5	24.2	34.7	41.0	53.5	61.7	67.1	68.5	62.3	48.7	39.6	29.7	46.4
S D	12.750	12.465	11.546	10.485	9.740	7.870	6.386	5.598	8.002	10.724	12.099	12.173	18.663
TOTAL OBS	5849	5321	5840	5639	5814	5656	5827	5827	5602	5832	5652	5843	68702

## RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-02	100.0	100.0	100.0	99.2	90.5	73.1	54.2	33.3	15.1	72.3	733
	3-05	100.0	100.0	100.0	99.2	91.1	76.5	56.0	37.4	18.4	75.6	739
	6-08	100.0	100.0	100.0	99.2	92.1	76.1	55.0	37.5	19.9	75.9	755
	9-11	100.0	100.0	99.6	94.0	77.9	55.1	40.6	29.2	14.1	67.0	729
	12-14	100.0	100.0	97.5	83.1	61.3	41.3	30.5	19.0	9.1	59.9	727
	15-17	100.0	100.0	97.3	84.1	63.0	44.7	32.5	18.9	7.9	67.6	730
	18-20	100.0	100.0	99.9	96.4	83.1	61.2	42.8	25.7	10.6	67.8	729
	21-23	100.0	100.0	100.0	98.5	87.1	66.8	48.6	29.7	13.0	70.1	730
TOTALS		100.0	100.0	99.3	94.2	80.6	61.6	45.0	29.1	13.5	68.2	5849

USAFETAC FORM 0-87-5 (OL A)

12-340  
 METEOROLOGICAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

# RELATIVE HUMIDITY

12-340 PATUXENT RIVER NAS MD

73-80

FEB

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-5	0-02	100.0	100.0	100.0	95.5	82.9	66.9	49.7	28.9	10.2	68.6	668
	3-05	100.0	100.0	99.7	97.3	87.0	69.2	52.8	32.6	10.3	70.5	668
	6-08	100.0	100.0	99.7	98.2	90.3	71.9	52.2	35.6	12.1	71.5	668
	9-11	100.0	100.0	98.2	87.6	64.0	41.0	29.4	20.5	9.3	60.4	659
	12-14	100.0	98.8	90.5	69.1	47.4	29.7	21.4	15.0	5.9	53.3	660
	15-17	100.0	99.1	92.1	70.5	51.5	33.1	24.0	16.0	6.9	54.9	668
	18-20	100.0	99.8	98.0	86.9	71.9	52.8	36.2	22.3	9.2	63.4	665
	21-23	100.0	100.0	99.5	93.1	79.8	62.6	43.6	27.1	8.6	67.0	665
TOTALS		100.0	99.7	97.2	87.5	71.9	53.4	38.5	24.8	9.1	63.7	5521

USAFETAC

FORM  
 JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

124040

PAUXENT RIVER NAS MD

73-80

4AR

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1F	0-02	100.0	100.0	100.0	97.0	84.8	67.7	52.7	33.8	16.0	70.9	736
	3-05	100.0	100.0	99.9	98.5	89.9	70.2	57.6	40.5	16.4	73.2	724
	06-08	100.0	100.0	99.7	97.9	90.6	70.3	56.0	40.7	17.7	73.3	723
	9-11	100.0	99.9	98.1	87.0	61.6	46.2	34.3	24.4	11.1	62.2	731
	12-14	100.0	99.5	90.8	72.5	50.5	36.1	25.7	18.2	8.2	55.9	732
	15-17	100.0	99.6	91.1	73.2	51.8	39.8	28.1	18.0	7.1	56.7	732
	18-20	100.0	100.0	97.4	89.2	71.4	53.8	38.3	23.5	9.3	63.9	728
	21-23	100.0	100.0	99.7	95.2	79.0	62.8	47.7	30.0	12.7	68.5	734
TOTALS		100.0	99.9	97.1	88.7	72.5	55.9	42.6	28.6	12.3	65.6	5840

USAFETAC

FORM 0-87-5 (OL A)

0-87-5 (OL A)

## RELATIVE HUMIDITY

APR

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.6	96.8	84.2	66.9	46.8	25.7	6.1	68.2	709
	03-05	100.0	100.0	100.0	99.4	91.0	75.1	54.2	28.1	8.2	71.5	708
	06-08	100.0	100.0	100.0	98.6	85.8	64.7	47.3	25.2	8.7	63.9	702
	09-11	100.0	100.0	94.6	70.1	52.2	32.8	21.8	11.3	2.0	54.7	707
	12-14	100.0	99.7	85.5	62.4	40.4	26.1	15.2	6.6	2.0	49.7	710
	15-17	100.0	98.9	84.1	65.4	42.5	27.8	17.6	8.6	1.8	50.4	706
	18-20	100.0	99.9	94.7	81.4	59.9	42.3	27.2	12.8	2.9	57.9	695
	21-23	100.0	100.0	98.6	92.6	76.6	58.4	38.7	19.7	4.3	64.7	702
TOTALS		100.0	99.8	94.6	84.1	66.6	49.3	33.6	17.3	4.5	60.7	5639

## RELATIVE HUMIDITY

44 Y

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.2	94.6	84.5	72.6	47.7	21.2	74.3	727
	03-05	100.0	100.0	100.0	99.7	95.8	86.7	74.6	50.6	26.6	80.2	721
	06-08	100.0	100.0	100.0	98.5	93.5	81.7	66.5	40.5	23.6	77.5	720
	09-11	100.0	100.0	98.8	92.0	76.0	57.4	39.4	23.7	9.8	65.6	733
	12-14	100.0	100.0	96.2	85.2	64.7	47.6	31.0	17.8	6.7	60.8	729
	15-17	100.0	100.0	95.5	83.8	65.8	48.0	31.3	16.9	6.6	60.8	729
	18-20	100.0	100.0	99.2	93.6	79.3	63.8	44.5	27.1	11.7	67.9	724
	21-23	100.0	100.0	100.0	99.3	94.4	81.9	64.2	40.9	17.0	76.1	731
TOTALS		100.0	100.0	98.7	93.9	83.0	69.0	52.7	35.2	15.4	70.9	5814

## RELATIVE HUMIDITY

JUN

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.9	99.2	95.4	79.4	52.3	19.0	80.2	710
	03-05	100.0	100.0	100.0	100.0	99.6	97.4	85.0	61.7	22.7	82.7	705
	06-08	100.0	100.0	100.0	99.7	98.0	90.0	70.0	44.4	15.0	77.5	700
	09-11	100.0	100.0	99.9	96.6	85.8	63.8	41.0	16.0	3.9	66.2	712
	12-14	100.0	100.0	99.2	91.1	71.4	45.0	27.2	8.6	2.5	60.1	709
	15-17	100.0	99.9	98.6	88.5	70.4	47.2	28.4	12.9	2.4	60.5	707
	18-20	100.0	100.0	99.7	95.5	84.4	64.4	44.4	22.8	6.0	67.3	705
	21-23	100.0	100.0	100.0	99.9	96.9	87.1	66.2	39.0	10.9	75.6	708
TOTALS		100.0	100.0	99.7	96.4	88.2	73.8	55.2	32.1	10.3	71.3	5656



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

12-040

PAIXANT RIVER NAS MD

75-80

JUL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.7	96.4	83.2	61.7	23.0	82.2	731
	03-05	100.0	100.0	100.0	99.7	99.2	97.4	88.0	70.5	29.1	84.7	733
	06-08	100.0	100.0	100.0	99.4	98.2	92.0	79.9	55.6	17.6	80.2	721
	09-11	100.0	100.0	100.0	98.9	90.5	68.9	44.2	15.5	3.2	67.7	730
	12-14	100.0	100.0	99.7	96.5	78.5	50.2	24.9	9.2	1.8	61.0	727
	15-17	100.0	100.0	99.9	94.1	73.9	51.2	26.2	9.9	1.1	61.4	728
	18-20	100.0	100.0	100.0	98.5	89.8	71.3	48.0	22.3	5.5	69.1	725
	21-23	100.0	100.0	100.0	100.0	99.0	92.8	74.5	47.0	12.6	78.2	732
TOTALS		100.0	100.0	100.0	98.4	91.1	77.5	58.6	36.3	11.7	73.1	5827

USAFETAC

FORM  
AF 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

73-80

AUG

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	98.9	91.1	65.7	23.8	84.3	731
	03-05	100.0	100.0	100.0	100.0	100.0	99.3	92.6	78.1	31.7	86.5	126
	06-08	100.0	100.0	100.0	100.0	99.9	98.2	88.0	65.7	23.3	83.6	722
	09-11	100.0	100.0	100.0	99.9	95.9	77.9	49.5	20.2	2.7	70.2	733
	12-14	100.0	100.0	100.0	98.4	82.1	56.3	28.7	9.3	1.4	63.1	728
	15-17	100.0	100.0	100.0	97.9	83.0	61.0	33.1	11.2	2.5	64.2	723
	18-20	100.0	100.0	100.0	99.7	95.3	82.9	60.1	31.0	7.7	73.2	726
	21-23	100.0	100.0	100.0	100.0	99.7	95.8	83.5	51.1	15.0	80.5	735
TOTALS		100.0	100.0	100.0	99.5	94.5	83.8	65.8	41.9	13.5	75.7	5827

## RELATIVE HUMIDITY

73-85

53 f

STATION

STATION NAME

**PERIOD**

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	98.7	94.3	84.2	50.5	25.5	82.4	696
	3-05	100.0	100.0	100.0	100.0	99.7	96.3	89.4	63.8	33.2	85.1	695
	06-08	100.0	100.0	100.0	100.0	100.0	95.2	84.7	63.1	29.4	83.0	693
	09-11	100.0	100.0	100.0	99.6	92.7	73.6	47.9	24.1	8.3	70.2	701
	12-14	100.0	100.0	99.7	96.2	77.9	53.5	28.5	13.5	5.2	63.3	706
	15-17	100.0	100.0	99.7	95.7	81.1	58.4	32.9	16.0	5.3	64.6	702
	18-20	100.0	100.0	100.0	99.7	95.6	83.3	60.7	35.5	11.1	74.2	705
	21-23	100.0	100.0	99.9	99.9	98.0	92.2	79.0	52.1	18.2	79.6	704
TOTALS		100.0	100.0	99.9	98.9	93.0	80.9	63.4	41.6	17.2	75.4	5600

**USAFETAC**

FORM  
15-01

**0-87-5 (OL A)**

## RELATIVE HUMIDITY

73-80

987

STATION

STATION NAME

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-02	100.0	100.0	100.0	99.9	98.9	90.9	71.2	45.6	19.1	78.6	733
FEB	3-05	100.0	100.0	100.0	100.0	98.8	92.3	77.0	54.7	23.7	85.7	729
MAR	6-08	100.0	100.0	100.0	99.7	98.6	89.7	75.3	51.2	23.4	80.2	725
APR	9-11	100.0	100.0	99.9	96.0	81.1	57.8	41.1	22.5	8.9	66.5	730
MAY	12-14	100.0	100.0	98.5	85.5	61.7	39.3	24.2	14.3	4.0	58.6	726
JUN	15-17	100.0	100.0	98.6	89.8	68.4	46.6	30.4	15.9	6.4	61.5	734
JUL	18-21	100.0	100.0	100.0	99.3	92.0	75.2	50.6	29.7	11.7	71.7	727
AUG	21-23	100.0	100.0	100.0	99.7	96.7	83.5	61.8	36.7	16.3	75.6	728
TOTALS		100.0	100.0	99.6	96.2	87.0	71.9	54.0	33.9	14.2	71.7	5832

USAFETAC FORM 0-87-5 (OL A)

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

FEB 1940 PATUXENT RIVER NAS MD

75-MO

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-01	100.0	100.0	100.0	99.2	93.0	75.9	59.7	37.0	15.7	74.5	713
	03-05	100.0	100.0	100.0	99.4	95.8	82.9	64.2	43.0	19.6	76.5	709
	06-08	100.0	100.0	100.0	99.7	97.0	84.3	64.9	42.6	18.5	76.8	702
	09-11	100.0	100.0	100.0	95.3	77.2	52.6	38.2	22.6	9.5	65.3	707
	12-14	100.0	100.0	97.4	80.4	54.1	39.2	26.1	17.0	8.1	57.7	704
	15-17	100.0	100.0	98.3	84.2	60.2	46.2	34.0	21.6	4.1	60.9	703
	18-20	100.0	100.0	100.0	98.3	84.4	63.7	45.9	23.2	11.2	66.6	706
	21-23	100.0	100.0	99.7	99.0	89.1	72.0	52.4	31.6	13.4	71.6	708
TOTALS		100.0	100.0	99.4	94.4	81.4	64.6	48.2	30.7	13.4	69.0	5652

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

73-80

25C

## STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	97.9	85.8	65.3	52.1	36.4	11.2	70.4	731
	03-05	100.0	100.0	100.0	98.9	88.3	69.8	50.8	34.5	12.3	71.3	729
	06-08	100.0	100.0	100.0	98.9	91.0	72.7	54.7	32.5	12.7	72.0	733
	09-11	100.0	100.0	100.0	94.0	74.6	50.5	36.3	22.5	10.6	64.7	728
	12-14	100.0	99.9	95.9	79.4	55.0	36.7	26.5	16.6	7.7	57.5	725
	15-17	100.0	99.7	95.9	81.7	60.2	43.4	29.5	16.5	8.2	59.5	731
	18-20	100.0	100.0	99.6	94.8	77.8	61.4	40.5	24.8	8.4	66.6	734
	21-23	100.0	100.0	100.0	97.7	82.0	67.8	48.8	29.4	10.9	69.5	732
TOTALS		100.0	100.0	98.9	92.9	76.8	58.8	42.4	26.1	10.3	66.4	5643

**USAFETAC**FORM  
FD-36 (4-75)

0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

STATION PATUXENT RIVER NAS MD  
 STATION NAME

73-81

PERIOD

ALL MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.3	94.2	80.8	61.8	45.0	27.1	13.5	67.1	5849
FEB		100.0	99.7	97.2	87.5	71.9	53.4	38.5	24.8	9.1	65.7	5321
MAR		100.0	99.9	97.1	86.7	72.5	55.9	42.6	25.6	12.3	65.6	5841
APR		100.0	99.6	94.6	84.1	66.6	49.3	33.6	17.3	4.5	61.7	5634
MAY		100.0	100.0	98.7	93.9	83.0	69.0	52.7	36.2	15.4	70.9	5814
JUN		100.0	100.0	99.7	96.4	88.2	73.8	55.2	32.1	10.3	71.3	5654
JUL		100.0	100.0	100.0	95.4	91.1	77.5	58.6	35.3	11.7	73.1	5827
AUG		100.0	100.0	100.0	99.5	94.5	83.8	65.8	41.9	13.5	75.7	5827
SEP		100.0	100.0	99.9	98.9	93.7	80.9	63.4	41.6	17.2	75.4	5617
OCT		100.0	100.0	99.6	96.2	87.0	71.9	54.0	33.9	14.2	71.7	5830
NOV		100.0	100.0	99.4	94.4	81.4	64.6	48.2	31.7	13.4	67.0	5650
DEC		100.0	100.0	98.9	92.9	76.4	58.8	42.4	20.1	10.3	65.4	5843
TOTALS		100.0	100.0	98.7	93.8	82.2	66.7	50.0	31.5	12.1	69.3	68704

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

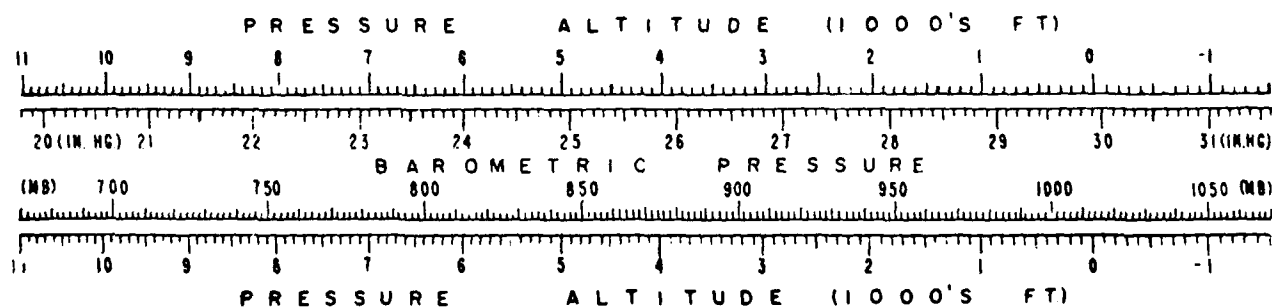
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.





2  
FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
WEATHER SERVICE/MAL

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

4 PATUXENT RIVER NAS MD  
STATION

73-81

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	30.00330	00229	97729	93429	90129	93929	93529	98529	99530	01530	03830	023	29.979	
S D	.203	.255	.241	.222	.162	.161	.130	.108	.143	.198	.209	.279	.211	
TOTAL OBS	242	222	247	239	244	236	238	239	231	246	239	243	2866	
MEAN	30.00629	99229	96729	92229	89429	93129	92829	97629	98430	01130	03430	026	29.973	
S D	.286	.250	.239	.230	.166	.164	.132	.110	.144	.202	.214	.280	.213	
TOTAL OBS	246	224	242	235	241	236	245	242	237	244	238	241	2671	
MEAN	30.02430	02329	99329	96229	93229	96029	95930	00630	01430	03530	05330	053	30.001	
S D	.281	.251	.247	.238	.167	.164	.133	.111	.150	.209	.216	.277	.214	
TOTAL OBS	241	223	244	234	240	235	241	239	235	244	232	240	2848	
MEAN	30.05330	04230	00529	96129	93729	96729	96730	01630	02730	04930	07330	074	30.014	
S D	.291	.250	.266	.247	.170	.168	.132	.113	.152	.218	.217	.285	.221	
TOTAL OBS	242	223	243	236	244	237	241	246	234	243	234	246	2869	
MEAN	29.98530	00029	96229	93329	90929	94729	94729	99729	99930	00530	03030	028	29.978	
S D	.287	.252	.270	.242	.172	.167	.133	.109	.153	.217	.214	.272	.217	
TOTAL OBS	240	216	244	235	243	238	243	240	238	244	233	239	2853	
MEAN	29.98529	96829	92629	89429	87529	91729	91529	96229	96229	98530	01030	002	29.950	
S D	.284	.247	.262	.225	.168	.165	.133	.113	.150	.212	.211	.276	.215	
TOTAL OBS	242	223	245	233	246	236	242	240	232	244	235	243	2861	
MEAN	30.00429	99329	94829	90329	88229	92429	91829	96829	97530	00930	02930	027	29.966	
S D	.244	.250	.254	.219	.161	.159	.127	.108	.146	.205	.206	.277	.212	
TOTAL OBS	242	222	241	232	240	234	245	244	235	244	234	244	2857	
MEAN	30.01730	00029	97129	93429	90729	94729	94029	99129	99830	02430	04030	034	29.984	
S D	.281	.248	.243	.217	.160	.159	.126	.106	.143	.199	.205	.277	.209	
TOTAL OBS	244	221	245	237	244	236	246	246	234	246	236	243	2878	
ALL HOURS	MEAN	30.01030	00329	96429	93129	90529	94229	93929	98829	99430	01730	03830	034	29.981
S D	.285	.251	.254	.231	.167	.164	.132	.111	.149	.208	.212	.278	.215	
TOTAL OBS	1939	1774	1951	1881	1942	1888	1941	1936	1876	1955	1881	1939	22903	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

STATION PATUXENT RIVER NAS MD  
STATION NAME

73-81

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	1018.11	1017.91	1017.11	1015.61	1014.51	1015.81	1015.71	1017.41	1017.71	1018.41	1019.11	1018.7	1017.2
S D	9.587	8.668	8.150	7.523	5.524	5.446	4.375	3.637	4.856	6.690	7.131	9.439	7.139
TOTAL OBS	243	220	247	239	243	237	240	242	231	245	238	243	2868
MEAN	1015.01	1017.61	1016.71	1015.31	1014.31	1015.61	1015.51	1017.21	1017.41	1018.31	1019.01	1018.8	1017.0
S D	9.657	8.486	8.139	7.771	5.625	5.520	4.444	3.714	4.954	6.849	7.220	9.467	7.202
TOTAL OBS	246	224	244	236	239	239	246	245	239	244	239	241	2882
MEAN	1018.81	1018.71	1017.71	1016.61	1015.61	1016.51	1016.51	1018.11	1018.41	1019.11	1019.71	1019.8	1017.9
S D	9.532	8.502	8.378	8.114	5.689	5.557	4.474	3.822	5.108	7.046	7.322	9.412	7.265
TOTAL OBS	242	222	244	234	239	235	241	240	235	245	233	243	2853
MEAN	1019.71	1019.31	1018.01	1016.61	1015.71	1016.71	1016.81	1018.41	1018.91	1019.61	1020.41	1020.4	1018.4
S D	9.832	8.497	9.011	8.371	5.755	5.685	4.467	3.844	5.200	7.355	7.344	9.674	7.499
TOTAL OBS	243	222	245	236	245	238	242	244	229	245	236	245	2870
MEAN	1017.41	1017.81	1016.61	1015.71	1014.91	1016.11	1016.11	1017.81	1017.91	1018.11	1018.81	1018.7	1017.2
S D	9.697	8.495	9.128	8.162	5.776	5.653	4.505	3.703	5.240	7.351	7.261	9.351	7.566
TOTAL OBS	241	218	244	234	241	238	243	240	235	244	235	240	2853
MEAN	1017.21	1016.81	1015.41	1014.31	1013.71	1015.11	1015.01	1016.61	1016.51	1017.31	1018.21	1018.0	1016.2
S D	9.706	8.406	8.893	7.616	5.708	5.580	4.456	3.827	5.114	7.173	7.139	9.334	7.289
TOTAL OBS	244	224	246	235	245	236	244	240	232	245	235	241	2865
MEAN	1016.21	1017.61	1016.11	1014.61	1013.91	1015.31	1015.11	1016.81	1017.01	1018.21	1018.91	1018.8	1016.7
S D	9.608	8.485	8.613	7.451	5.534	5.379	4.298	3.638	4.918	6.954	6.956	9.376	7.204
TOTAL OBS	242	222	241	232	240	234	245	245	235	243	235	246	2860
MEAN	1018.51	1018.01	1016.91	1015.71	1014.71	1016.11	1015.91	1017.61	1017.81	1018.71	1019.31	1019.0	1017.3
S D	9.539	8.423	8.165	7.375	5.393	5.385	4.279	3.580	4.867	6.751	6.948	9.390	7.062
TOTAL OBS	244	223	244	238	245	236	246	246	235	245	236	243	2881
ALL HOURS	1018.21	1018.01	1016.81	1015.51	1014.71	1015.91	1015.81	1017.51	1017.71	1018.51	1019.21	1019.0	1017.2
S D	9.656	8.508	8.587	7.829	5.658	5.543	4.445	3.760	5.070	7.041	7.178	9.439	7.281
TOTAL OBS	1945	1775	1955	1882	1937	1893	1947	1942	1871	1956	1887	1942	22932

END

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